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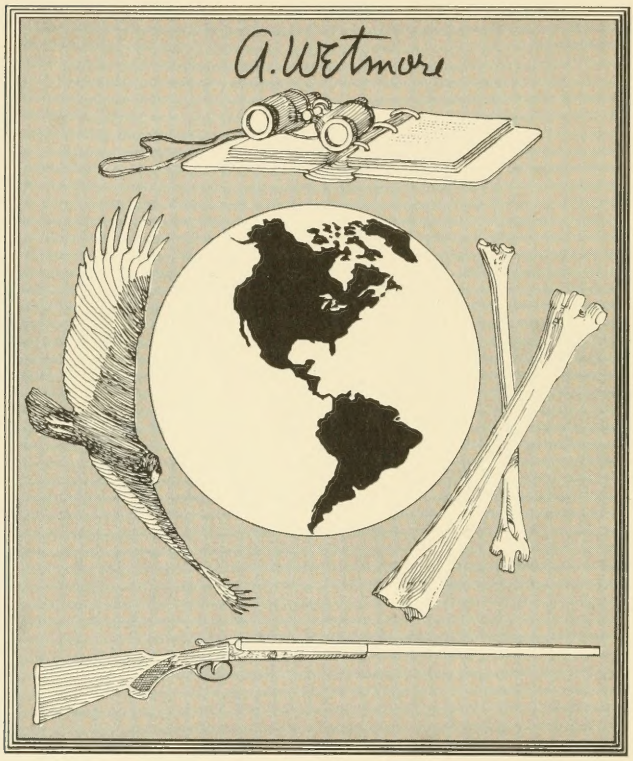

Alexander Wetmore

1946 *Sixth Secretary* 1953

A. Wetmore

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Compliments of F. S. Burns

A Bibliograph of Scarce or Out of Print

North American Amateur and Trade Periodicals

Devoted More or Less to Ornithology

Burns

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A Bibliography of Scarce or Out of Print North American Amateur and Trade Periodicals Devoted More or Less to Ornithology

Compiled by Frank L. Burns

1915

1. **The Acadian Scientist.** Devoted to the Interests of Acadian Science Club, Teachers and Naturalists. A. J. PINEO, EDITOR. (Wolfville, N. S.) SUB. 50 CENTS PER ANNUM. 8 vo.

Vol. I, Nos. X and XI, Oct. and Nov., 1883, pp. 8+12 and covers, the only ones I have seen. I am informed by the editor that the second and third volumes appeared under the name of "Canadian Naturalist."

2. **THE AGASSIZ ASSOCIATION BULLETIN.** A Monthly Magazine for The Advancement of Science and the Agassiz Association. Subscription, $ .35 Per Annum. Published by The Bulletin Printing Co., Gilman, Ill. W. A. Crooks, Editor. No. 1 med., No. 2 post, No. 3 and later royal 8 vo. (The above is the title and form under the date of November, 1890, the only number with title cover. Nos. 1, 3 and later are entitled: "THE A. A. BULLETIN," and Vol. II, No. 1, "THE AGASSIZ BULLETIN."

Vol. I, Nos. 1-6, Oct., 1890-Mar., 1891, pp. (1)-32, (No. 1 unpaged, and pp. 19 and 20 do not exist.)

Vol. II, No. 1, April, 1891, pp. 1-8.

Interesting articles by F. C. Baker, Geo. E. Breninger, (W. A. Crooks) and D. A. Henman.

3. **The Agassiz Association Journal.** W. E. Skinner, Editor. Published Monthly in the Interests of Amateur Naturalists, Students and Collectors. Subscription Rates, 1 year (with 12 premiums) $1.00. 6 Months (No premiums) 30 cents. W. E. Skinner & Co., 31 State St., Lynn, Mass. Large 12 mo.

Vol. I, Nos. 1-2, June-July, 1885, pp. 1-24 (about half adv., No. 2 with cover).

Continued as "THE AGASSIZ JOURNAL." Items contributed by Walter Hoxie and W. E. S(kinner).

4. **THE AGASSIZ COMPANION.** A monthly magazine devoted to the Natural Sciences (Philately) and the interests of the Agassiz Association. WILL H. PLANK, EDITOR, WYANDOTTE (Kansas City) KANSAS. Subs. 50c. per annum, single copies 5c. 12 mo.

Vol. I, Nos. 1-4, Aug.-Nov. (Dec.), 1886, pp. 1-40, and covers.

Vol. II, Nos. 1-12, Jan.-Dec., 1887, pp. 1-148.

Vol. III, Nos. 1-11 & 12, Jan.-Nov. & Dec., 1888, pp. 1-136.

Guaranteed circulation 1,000 copies monthly. With the final number E. R. Ireland became junior partner. Later with the "AGASSIZ RECORD" consolidated with "THE LITERARY COMPANION," Kansas City, Kansas, under which name it first appeared Feb., 1889. Articles by L. G. Bishop, Amos W. Butler, Prof. Edw. D. Cope, N. S. Goss, Dr. E. R. Heath, Lynds Jones, B. H. Jones, W. L. Morris, L. O. Pinder, M. R. Potter, W. H. Plank, "Scolopax" (Dr. Morris Gibbs), and others.

5. **THE AGASSIZ JOURNAL.** For Curiosity Collectors, Lynn, Mass. Wm. E. Skinner, Editor. W. E. Skinner & Co., publishers. Single Copies, 4 cents; One Year or 12 copies, 40 cents. Lg. 12 mo.

Vol. I. Nos. 3-9, June, 1885-Feb., 1886, pp. 25-92+12+12 (preserving the

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sequences of the "Agassiz Association Journal," and including over 50 pp. adv.), with covers, except nos. 8 and 9.

Attempted to fill the unexpired subscriptions of the A. A. Journal, American Osprey, Monthly Echo, Naturalist's Advertiser, Southern Naturalist, and Young Oologist. A circulation of 2,600 copies claimed. Brief notes from youthful egg collectors in the Sept. and Jan. numbers, otherwise an unreliable medium for stamp trading, with little excuse for even the briefest enjoyment of second class rates.

6. **THE AGASSIZ RECORD.** DEVOTED TO all Branches of Natural Science. OFFICIAL ORGAN OF I(OWA) A(SSEMBLY) A(GASSIZ) A(SSOCIATION). Price $1.00 per Year; 50c Six Months; 25c Three Months. PUBLISHED MONTHLY BY FRANK E. WETHERELL, 819 East High Avenue, Oskaloosa, Iowa. TIMES ELECTRIC PRESS, OSKALOOSA, IOWA. 12 mo.

Vol. I, Nos. 1-6, Jan.-July, 1888, pp. 74 (p. 43 in duplicate), covers.

With the March-April number the subscription was reduced to 60, and June to 35 cents. The circulation placed at 1,000. A neat little amateur journal, discontinuing after the sixth number. The unexpired subscriptions filled by "The Agassiz Companion." Contributors: Geo. W. Havlin, B. and Lynds Jones, "Scolopax" (Dr. Morris Gibbs), "Senex Fossels," and the last number contains a full page engraving of Louis Agassiz.

7. **The Amateur Collector.** Published monthly by the Cuvier Natural History Club, Salem, Mass. Subscription, 25 cents a year. 3 cents a copy. Demy 8 vo.

Vol. I, Nos. 1-12, May 1, 1886-Apr. 1, 1887, 48 pp., incl. 12 pp. adv., unpp.

Vol. II, Nos. 1-12, May 1, 1887-Apr. 1, 1888, pp. 54, incl. 6 pp. in suppl. and 6 pp. in adv.

Vol. III, Nos. 1-9, May 1, 1888-Jan. 1, 1889, pp. 36, incl. 2 pp. adv.

There may have been later numbers of this neat little paper. The contributions are unsigned and of small value.

8. **The Amateur Naturalist.** A Journal for those who Study Nature from a Love of it. FIFTY CENTS A YEAR, TEN CENTS A COPY. CHAS. D. PENDELL, BINGHAMTON, NEW YORK. Royal 8 vo.

Vol. I. Nos. 1-6, Jan.-Nov., 1894, pp. 120, 1 pl.

Vol. 2 (II), Nos. 1-6, Jan.-Nov., 1905, pp. 120, 1 pl.

The Amateur Naturalist. A MONTHLY MAGAZINE FOR ALL NATURE STUDENTS. SUBSCRIPTION. 50 cts. PER YEAR. SINGLE COPY, 5 CENTS. CHARLES D. PENDELL, PUBLISHER, ASHLAND, MAINE. Royal 8 vo.

Vol. 3 (III), Nos. 1-8, Jan., Feb.-Dec., 1906, pp. 128.

Vol. 4 (IV), Nos. 1-(4?), Jan., Feb.-(June?), 1907, pp. 64.

Vol. 5 (V), Nos. 1-2, Jan.-Feb., 1908, pp. 32.

Bi-monthly. Unable to ascertain the exact time of suspension. Volume IV doubtless ran to end of year. Contributors: C. B. Brumbaugh, W. B. Davis, Addison Ellsworth, Norman O. Foerster, George Middleton, Chas. D. Pendell, G. W. Story, J. M. Swain, Laura Hoag Taylor and Hattie Washburn.

9. **THE AMERICAN.** SUCCESSOR Galesburg, Ill. Folio

By CHAS. F. GETTEMY. SUBSCRIPTION, 25 Cents for Six Months.

Vol. I, Nos. 1-6, (Nov.?) 1884-May, 1885, 24 pp., unp. about 6 pp. adv.

Circulation 1,000. H. A. Talbot contributing.

10. **THE AMERICAN MAGAZINE OF NATURAL SCIENCE.** A MONTHLY MAGAZINE DEVOTED TO THE NATURAL SCIENCE. "Go forth, under the open sky, and list to Nature's teachings." SUBSCRIPTION 25c PER YEAR. FRED R. STEARNS, editor. HOWARD H. BROWN, publisher, A Magazine of the Collector, for the Collector and by a Collector. Demi to royal 8 vo.

Vol. I, Nos. 1-12 (7 & 8, 9 & 10, double numbers), June, 1892-May, 1893, pp. 1-88, 10 pp. adv. (No. 6 I have not seen).

Vol. II, Nos. 1-10, June, 1893-Apr. & May, 1894, pp 11+13+141.

Various cover designs were employed. The circulation of No. 1 was said to have been 1,000 copies. In the second, it is stated that it is published at Old Bridge, N. J. At the first of the year Fred R. Stearns, Sac City, Iowa, became both

editor and publisher, and the circulation is given as 2,000 copies. Volume II, with No. 2, Letson Balliet of Des Moines, becomes part owner, operating under the name of Fred R. Stearns & Co. The subscription was raised to 50 cents with No. 6, and E. J. Shaefer, Milwaukee, Wis., became editor and publisher, and with No. 8 Fred R. Stearns, associate editor. Filled the unexpired subscriptions of "The Collector," F. E. Lux, Pekin, Ill., Dec. 1, 1893, and finally transferred to "The Naturalist," Austin, Texas, in July, 1894. Short articles by C. Barlow, John A. Bryant, William A. Bryan, W. S. Cruzan, James H. Hill, Walton Mitchell, Charles Wallace, Chas. Acey White and others.

11. **American Ornithologist and Exchange.** DEVOTED TO THE INTERESTS OF ALL COLLECTORS. PAW PAW, ILLINOIS. Published monthly, C. A. Morris, editor and proprietor. J. F. Hoffman, associate editor. Terms, $1.00 per year in advance. Imperial 8 vo.

Vol. I, No. 1, March, 1891, pp. 1-8. Little if any original matter, articles mostly borrowed from exchanges.

12 **American Ornithology.** | For the Home and School. | EDITED BY C. ALBERT REED. Vol 1-(6). | WORCESTER, MASS. | CHAS. K. REED, PUBLISHER | 1901-(1906). Med. 8 vo.

(Temporary cover) AMERICAN ORNITHOLOGY FOR THE HOME AND SCHOOL (selected eng. of bird), PUBLISHED MONTHLY, CHAS. K. REED, WORCESTER, MASS. Edited by C. Albert Reed.

5 cts. a copy, 50 cts a year.

Vol. I, Nos. 1-12, Jan.-Dec., 1901, pp. (i) poem by C. E. Gorden "To a Bluebird," (ii) signature A. M. Eddy, Printer, Albion, N. Y., (iii) title, (v-vii) index, (x) col. pl. Bluebird, pp. 1-246 text.

Each number contains desc., habits and illustrations of from 4 to 6 N. A. birds with eggs in full size. The articles are mostly unsigned, the numerous drawings most frequently bear the signature of C. K., or C. A. REED, and many are very artistic.

Vol. 2, Nos 1-12, Jan.-Dec., 1902, pp. 1-386 inc. index.

Subs. increased to 10c a copy, $1 a year. The original object was to present to the public a complete popular account of every bird found in N. A. A new department devoted to the "Children and Birds" conducted by Mary Hazen Arnold, abundant photographs of the living bird from various sources, numerous articles from well known bird men, and 11 colored identification charts appeared during the year.

Vol. 3, Nos. 1-12, Jan.-Dec., 1903, frontispiece col. fig. Am. Goldfinch, pp. i-xii, title, index and list of illust., pp. 1-410. Permanent title unchanged except "B. S." following editor's name. The temporary cover changed to include "BIRD MAGAZINE," col. ident. charts 12-23, and a number of col. fig. of birds.

Vol. 4, Nos. 1-12, Jan.-Dec., 1904, title, pp. 1-335 text, 336-342 index. Ident. chart 24, a check list and habitat map, also numerous photo reproductions and from one to three colored plates to an issue.

Vol. 5, Nos. 1-12, Jan.-Dec., 1905, title, pp. 1-308 text, 309-314 index. Colored plates of unequal merit, some remarkably successful.

Vol. 6, Nos. 1-7, Jan.-July-Aug., 1906, pp. 1-176.

According to announcement in June number became bi-monthly with the following issue, which, however, was the last.

13. **The American Osprey.** A Monthly Magazine Devoted to Ornithology and Oology. Published by W. G. Talmadge, Plymouth, Conn. Terms year, 30. Lg. 12 mo.

Vol. I, Nos. 1-2, May-June, 1885, pp. 1-12, incl. 5 pp. adv.

Succeeded the "Naturalist's Advertiser," failed to get second class rates and transferred to the "Agassiz Journal." Contributors signed with initials: R. W. F(ord), F. G. K(ibbe?).

14. **AMERICAN OSPREY.** Paul B. Haskell, Editor and Publisher, Ashland, Ky. Subscription 25c per year. Post 8vo.

Vol. I, Nos. 1-12, Jan.-Dec., 1890, unpp. 4 pp. to issue, with single sheet supplement accompanied No. 7, entitled "American Osprey—Extra," made 50 pages.

A neat little sheet exclusively ornithological, containing short articles by H. F. Andrews, B. S. Bowdish, W. N. Clute, J. V. Crone, A. C. Murchison, L. O. Pindar, Neil F. Posson, C. W. Rowley, J. W. P. Smith-

wick, Thad. Surber, G. W. Vosburg, and others. Circulation said to be 800.

15. **The A(merican) S(ociety) of C(urio) C(ollector's) B(bulletin).** A Quarterly magazine of Pleasure and Profit for the man or woman with a hobby. Published by Roy Farrell Green, President of the Society, Arkansas City, Kan. Managing Editor, Roy Farrell Green, Associate Editors, Forest Gaines and C. Abbott Davis. Subs. 60c a year, single copies, 15c. Royal 8 vo.

Vol. I, Nos. 1-4, Nov. 15, 1905-Aug. 15, 1906, pp. 48+52+52+40, incl. 42 pp. adv.

Vol. II, Nos. 1-4, Nov. 15, 1906-Aug. 15, 1907, pp. 60+32+48+28, incl. 41 pp adv.

Vil. III, Nos. 1-3, Nov. 15, 1907-May 15, 1908, pp. 28+25+8, incl. 12 pp. adv.

Suspended upon the decease of the publisher, succeeded by "The Collector's Journal." Ornithological items by H. E. Bishop, Leah Birkheimer, W. L. Griffin, W. I. Mitchell, Will H. Plank, W. E. Snyder, F. May Tuttle, W. W. Worthington, and an original record of the capture of a Carolina Paroquet, near Atkinson, Kan., by Geo. J. Remsburg.

16. **The American Zoologist and Home Journal of Science.** Devoted to Nature, Science and Art. Conducted by J. HOBERT EGBERT, A.M., M D., Ph.D. (CONTENTS) PUBLISHED MONTHLY BY THE AMERICAN ZOOLOGICAL PUBLISHING CO., HOLYOKE, MASS. Subs. $1.50 per Year, Single numbers, 15c.

Vol. I, Nos. 1-2, Jan.-Feb., 1896, pp. 57.

Contains a short biography of Audubon, and two articles by Florence Atwood-Egbert entitled "Avian Architecture" and "Perhension of Food by the Avian Race.' The Editor writes me from South America that he does not know how many numbers were issued before it suspended for lack of funds and general support.

17. **THE APTERYX** (contents). C. Abbott Davis, editor. PUBLISHED QUARTERLY BY THE ROGER WILLIAMS PARK MUSEUM, OF PROVIDENCE, R. I. Pilgram Press, Providence. Med. 8 vo.

$1.00 per year, 25c per copy.

(Inside title) THE APTERYX, A NEW ENGLAND QUARTERLY OF NATURAL HISTORY.

Vol. I, Nos. 1-3, Jan.-July, 1905, pp. 1-124.

Ornithological articles by C. Abbott Davis, S. F. Denton and H. S. Hathaway. This promising publication is said to have suspended through the lack of support of the city government.

18. **The Atlantic Slope Naturalist.** SUBSCRIPTION, 30 CENTS PER YEAR. EDITED AND PUBLISHED BI-MONTHLY BY W. E. ROTZELL, M.D., NARBERTH, PA. Med. 8 vo.

Vol. I. Nos. 1-6, Mar. and Apr., 1903-Mar. and Apr., 1904 (no. 5 dated Nov.), pp. 1-84, and covers.

The edition of 1000 copies for the initial number was increased to 2000 and 3,000 in succeeding issues. With the third number the subscription was raised to 50 cents, and at the end of the volume it was stated that the supply was very limited at $1.00 a set. The circulation was largely in the medical profession and among ornithologists. The first number of volume two was for the most part printed, but second class rates being refused, it was not published. The ornithological matter is from the pens of T. G. Gentry, Morris Gibbs, F. A. Hassenplug, W. J. Hoxie, A. R. Justice, Wm. L. Kells, A. B. Klugh, August Koch, W. I. Mitchell, R. C. McGregor, C. L. Rawson, J. H. Reed, E. H. Short, Witmer Stone, R. W. Shufeldt and Mark L. C. Wild.

19. **THE | AUDUBON MAGAZINE** | PUBLISHED IN THE INTERESTS OF | THE AUDUBON SOCIETY | FOR THE PROTECTION OF BIRDS. |—| VOLUME I (-II) | FEBRUARY, 1887 (-1888), to JANUARY, 1888 (-1889),| —| NEW YORK: | FOREST AND STREAM PUBLISHING COMPANY. Royal 8 vo.

The separate numbers are enclosed in a temporary cover with the following title: "THE AUDUBON MAGAZINE (engraved portrait of Audubon and fac simile of his signature). Published in the interests of The AUDUBON SOCIETY for the PROTECTION OF BIRDS. FOREST AND STREAM PUBLISHING COMPANY, NEW YORK. Annual Subscription, 50 Cts. Single Copy 6 Cts.

Vol. I, Nos. 1-12, Feb., 1887-Jan.,

1888, pp. viii+288, incl. 18 pp. adv. matter.

Vol. II, Nos. 1-12, Feb., 1888-Jan., 1889, pp. vi+264.

Though the name of the editor does not appear, it is understood that George Bird Grinnell, president pro temore of the Audubon Society, organized February, 1886, had general supervision, with Charles F. Emory, general secretary. Unfortunately this philanthropic movement proved abortive, possibly owing to its connection with a paper devoted to the hunting of game. Each number contains an uncolored and reduced plate after Audubon. The text includes a number of original articles. Biographies of Audubon and Wilson, the latter by Helen V. Austin, and signed papers by J. A. Allen, Geo. Bird Grinnell, Robert Ridgway, G. B. Sennett, and R. W. Shufeldt. Florence A. Merriam's "Hints to Audubon Workers" ran through eleven numbers.

20. **THE AVIFAUNA.** Published by W. A. Hoffman, Los Angeles, Cal. Subs. 1.00 per year, 10c. per copy. Royal 8 vo.

Vol. I. Nos. 1-3, Sept.-Oct., 1895, Sept., 1897, pp 1-48, incl. 2 pp. adv. and excl. covers.

The proceedings of the Cooper Ornithological Club appear in the first two issues. No. 2 contains an unsatisfactory natural-sized, colored plate of the California Condor. No. 3 was published at Santa Barbara. Papers and communications signed by Ralph Arnold, C. Barlow, Lee Chambers, D. A. Cohen, G. T. Dippe, F. S. Daggett, H. C. Ford, H. A. Gaylord, J. Grinnell, P. L. Hatch, O. W. Howard, W. B. Judson, A. I. McCormick, W. Raine, W. E. Rotzell, A. M. Shields, T. S. VanDyke, M. L. Wicke, Jr., O. J. Zahn and others.

21. **THE | BAY STATE OOLOGIST,** |—| TO THE | STUDY OF BIRDS, THEIR NESTS AND EGGS. |—| Vol. I, 1888, | PITTSFIELD, MASS. | W. H. FOOTE, PUBLISHER. | 1888. 12 mo.

Edited by W. H. Foote Subscription 50c. per annum, Single copies 5c. each.

Vol. I, Nos. 1-6, Jan.-June, 1888, pp. (i-iv) title and contents, 1-52 text.

Though mainly boyish accounts of collecting trips, there are interesting contributions from J. Warren Jacobs, Wm. L. Kells, E. F. Koch, LeGrande T. Meyer, A. M. Shields, C. S. Shick, J. A. Singley, Philo W. Smith, Jr., Dr. Strode, and B. T. Taylor. Succeeded by the "O. & O. Semi-Annual."

22. **BIRDS** | ILLUSTRATED BY COLOR PHOTOGRAPHY | A MONTHLY SERIAL | DESIGNED TO PROMOTE | KNOWLEDGE OF BIRD LIFE |—| (quotation) |—| CHICAGO, U. S. A. | NATURE STUDY PUBLISHING COMPANY, PUBLISHERS | 1896. Royal 8 vo.

Vol. I, Nos. 1-6, Jan.-June, 1897, pp. (i-ii) title and preface, 1-224 text, 225-226 index, incl. 60 col. plates.

BIRDS | A MONTHLY SERIAL | ILLUSTRATED BY COLOR PHOTOGRAPHY | DESIGNED TO PROMOTE | KNOWLEDGE OF BIRD LIFE |—| VOLUME II (-III). |—| CHICAGO. | NATURE STUDY PUBLISHING COMPANY. Royal 8 vo.

Vol. II, Nos. 1-6, July-Dec. 1897, pp. (i-iii) title and introduction, 1-240 text, 241-242 index, incl. 61 col. pll.

Vol. III, Nos. 1-6, Jan.-June, 1898, pp. (1-4) title introduction, 6-238 text, 239-240 index, incl. 48 col. pll.

Continued as "BIRDS AND ALL NATURE." Popular and juvenile biographies, mostly unsigned, C. C. and E. K. Marble contributing. The figures of mounted birds from the collections of the Chi. Acad. Science and F. M. Woodruff, are by the three color process. The publishers announced that they had reprinted 10 editions of 5,000 each of some of the numbers.

33. **BIRDS | AND | ALL NATURE** |—| A MONTHLY SERIAL | ILLUSTRATED BY COLOR PHOTOGRAPHY. |—| VOLUME IV |—| CHICAGO AND NEW YORK | NATURE STUDY PUBLISHING COMPANY. Royal 8 vo.

Vol. IV, Nos. 1-6, July-Dec., 1898, pp. (1-4) title and introduction, 6-238 text, i-ii index, incl. 48 col. pll. (16 only being bird figures).

I have not examined Vols. V-VII, after which it continued as "BIRDS AND NATURE."

24. **BIRDS AND NATURE** | IN NATURAL COLORS |—| A MONTHLY SERIAL | FORTY ILLUSTRATIONS BY COLOR PHOTOGRAPHY | A GUIDE TO THE STUDY OF NATURE |—| TWO VOLUMES EACH YEAR | VOLUME IX (-XIX). | JANUARY (JUNE) 1901 (-1906) TO MAY (-DEC.) 1901 (-1906). | EDITED BY WILLIAM KERR HIGLEY |—| CHI-

CAGO | A. W. MUMFORD, PUBLISHER | 203 MICHIGAN AVE. | 1901 (-1906). Royal 8 vo.

Vol. IX, Nos. 1-5, Jan.-May, 1901, pp. (i-ii) title, 1-236(+2 index), incl. 40 pll., 20 being birds.

Vol. X, Nos. 1-5, June, Sept.-Dec., 1901, pp. (i-ii) title, 1-236 text, (237-238) index, incl. 40 pll. 20 being birds.

Vol. XI, Nos. 1-4, Jan.-Apr., 1902, pp. 1-192, incl. 32 col. pll., 16 being birds.

Vol. XIV, Nos. 1-5, June-Dec., 1903, pp. (i-ii) title, 1-236 text, 237-238 index, incl. 36 col. pll., 24 being birds or nests.

Vols. VIII, XII, XIII, XV-XIX not examined. Suspended after Apr.-June number, 1906. This publication proved very well adapted to the use of the primary school. The colored figures of birds have little artistic merit, but they are, for the most part identifiable and offered remarkably cheap. A better grouping or arrangement of subject matter, would have greatly increased its usefulness.

25. **Bird News** (eng. of Kingfisher) PUBLISHED BY THE Agricultural Society of California. OFFICES: 717 MARKET ST., SAN FRANCISCO. Devoted to the interests of the Bird Fancier. Frederick W. D'Evelyn, Editor, W. W. Cooley, Business Manager. Bimonthly, 75 cents per annum, 15 cents a number. Med. 8 vo.

Vol. I, Nos. 1-6, Jan., Feb.-Nov., Dec., 1901, 64 pp. not consecutively paged.

Signed articles on native birds in captivity by W. N. Dirks, E. W. Gifford and H. L. Sefton. Discontinued for lack of time to edit.

26. **THE BITTERN.** DAMARISCOTTA, ME. Edited and Published by Henry E. Berry. Issued Monthly, 20 cents per Year. The News Publishing Co., J. F. Alldis, Editor and Manager. Approximating dimensions of post 8 vo (nos. 1-2), imp. 8 vo. (nos. 3-6.)

Vol. I, Nos. 1-6, Oct., 1890-May, 1891, unpaged, 24 pp. inc. 2 pp. adv.

Unimportant notes by Henry E. Berry, R. A. Campbell, J. V. Crone, J. V. Denburgh, E. H. Fiske, H. A. Hess, Ora W. Knight, F. S. Nye, E. B. Peck, Dr. A. G. Prill, Robt. T. Young and a few others.

Vol. II (1), Nos. 8-10 (7-9), June, July & Aug.-Dec., 1891, unpaged, 4 pp. to issue. I have not seen no. "9," it was probably published about Oct. These numbers were issued by C. W. Hillman, Canisteo, N. Y. In No. "10," the editor and publisher states "For various reasons, we have decided to consolidate the Empire State Naturalist and the Bittern." The subtitle: "The Empire State Naturalist. A Monthly Magazine devoted to Natural History. Single Subs. $1.25." An excellent example of how not to publish a paper.

27. **THE Bittern.** A Bi-Monthly Publication Devoted to the Interests of the Student Glen M. Hathorn, Editor and Publisher, Cedar Rapids, Iowa. One Year, 50 cents, Single Copies 10 cents. 12 mo.

Vol. I, Nos. 1-3, June-Aug.-Oct., 1900, pp. 1-57 and covers.

Vol. I, No. 1(4) Jan., 1901, pp. 1-16 and cover. Royal 8 vo.

A neat little magazine with short articles by Howard E. Bishop, Albert E. Gamier, Morris Gibbs, Glen M., and Kathleen R. Hathorn, Carl Fitz Henning, P. B. Peabody and Wm. Rolfe. Suspended.

28. **BULLETIN of Massachusetts Natural History** Amherst, Mass. Issued Monthly, $1.00 per year. Edited and Published by Winifred A. Stearns. Med. 8 vo.

Vol. I, Nos. 1-3&4, Apr.-June&July, 1884, pp. (16+16?)+24.

The double number contains Stearns' "Birds of Amherst" printed in part the previous year in the "Amherst Record." Suspended.

29. **BULLETIN | OF THE | Michigan Ornithological Club.** | Published in the interests of Ornithology in Michigan. | Grand Rapids, Michigan. L. Whitney Watkins, Manchester, Mich., Editor-in-Chief. Quarterly 50c. single copies 15c. Superroyal 8 vo.

Vol. I, Nos. 1-3&4, Jan.-July&Dec., 1897, pp. 1-48.

Vol. II, Nos. 1-3&4, Jan.-July&Dec., 1898, pp. 1-40, and 2 orig. pll.

Vol. III, Nos. 1-2, Jan.-Apr., 1899, pp. 1-23.

April, 1898, T. L. Hankinson became editor-in-chief for the one issue, and was followed by Leon J. Cole up to the temporary suspension one year later.

BULLETIN | OF THE | MICHIGAN | ORNITHOLOGICAL CLUB. | AN ILLUSTRATED QUARTERLY MAGAZINE | DEVOTED TO THE ORNITHOLOGY OF THE | GREAT LAKE REGIO(N). ALEXANDER W. BLAIN

JR. | EDITOR AND MANAGER. | J. CLAIRE WOOD, | ADOLPHE B. COVERT, | ASSOCIATES. | VOLUME IV, | 1903. | PUBLISHED BY THE CLUB AT DETROIT, MICHIGAN. 8 vo.

Vol. IV, Nos. 1-4, Mar.-Dec., 1903, pp. (i-iv) title and index, 1-100.

(Cover) BULLETIN OF THE MICHIGAN ORNITHOLOGICAL CLUB Published Quarterly in the interests of Ornithology in the Great Lake Region. Vol. V(-VI), No. 1(4,-2), March(-Dec.,-Mar. June), 1904(1905) eng. portrait of Kirtland's Warbler by P. Kinder) DETROIT, MICHIGAN.

Vol. V, Nos. 1-4, Mar.-Dec., 1904, pp. 1-92(+2 pp. index).

Vol. VI, Nos. 1&2, Mar. & June, 1905, pp. 1-31.

Walter B. Barrows is editor of final volume, with P. A. Tavener and Norman A. Wood, Associates. A few illustrations, mostly portraits of local ornithologists. A list of the contributors would be a list of the ornithologists of the State.

30. **California Art & Nature** Art & Nature Company, publishers, No. 868 15th st., San Diego, California. Large paper 8 vo. Price 20 cents, $2.00 a year.

Vol. I, Nos. 1-12, Dec., 1901-Nov., 1902, columns 162+68, and 11 col. pll. (6 pll. birds) from "Birds and Nature," covers.

It does not appear who was editor, but the text is almost wholly the work of C. R. Orcutt and numbers 9 to 12, August to November, contents and paging are identical with that of "The West American Scientist," volume xiii, numbers 116 to 119, August to November, 1902. Two papers by Frank Stephens on the "Hummingbirds," and the "Pigeons and Doves" appear.

31. **THE CALIFORNIA TRAVELLER AND NATURALIST.** A MONTHLY MAGAZINE OF TOURIST TRAVEL, NATURAL HISTORY, POPULAR SCIENCE, WITH SPECIAL ATTENTION TO GEOLOGY, MINERALOGY, CONCHOLOGY, MICROCOPY. 20 CENTS A YEAR! Published at Napa, Cal. Crown 8 vo.

A Western Monthly with Articles on Popular Science, Western Ways and Wonders. A Note-book for the Collector in Natural History. Official organ for the Audubon Chapter, Agassiz Association. Published by U. L. Hertz & Co.

Vol. I, Nos. 2-v, Mar.-June, 1892, pp. 8+10+12, and covers.

Title form appears to have been changed every issue, the above is from No. 3. Subs. formerly 35 cents. No. 1 probably issued in Feb. and a No. 6 in July? Circulation 1000.

31. **THE CALIFORNIA TRAVELLER AND NATURALIST.** A JOURNAL OF THE "NEW EDUCATION." TRAVEL and NATURAL SCIENCE. Med. 8vo.

Traveller and Naturalist Pub. Co., San Jose, Calif. Subs. 25 cents a year with premiums.

Vol 2, Nos. 1-7, (No. 4 marked "3") (Sept.?), 1892-Apr., 1893, unpp., 8-13 pp. to issue.

C. Barlow's ("A Trip after Birds' Eggs," "Birds' of the Farallone Islands" and "Out on the Lonely Farallones."), also notes by Oswald B. Cooper, Jesse W. Miller and Isador S. Trostler.

April, 1893, Isador S. Trostler, C. Barlow and R. P. Froelich are associated with Uriah L. Hertz, Conductor.

32. **CANADIAN NATURAL SCIENCE NEWS.** Folio

A Monthly Journal Devoted to Natural Sciences. Edgar R. Boniface, Editor and Publisher, Baden, Ontario. Terms of subscription, Price 50 cents a year. Single copies, 5 cents.

Vol. I, No. 1, Mar., 1897, pp. 1-10.

W. L. Kells' "The Florida Dwarf Bittern," and article by Thomas Ware.

33. **"The Canadian Sportsman and Naturalist.** A Monthly Journal. Montreal, Can., William Couper, Editor; W. W. Dunlap, Assistant Editor.

Vol. I, Nos. 1-12, Jan.-Dec., 1881, pp. 1-96.

Vol. II, Nos. 1-12, Jan.-Dec., 1882, pp. 97-196.

Vol. III, Nos. 1-11&12, Jan.-Dec., 1883, pp. 197-284?

"The first volume of this periodical was devoted largely to sporting matters, particularly hunting and fishing. More space is given in volumes II and III to natural history, with a marked increase in quantity and great improvement in the quality of the ornithological matter."—Auk.

Papers or communications from J. S. Bell, W. G. A. Brodie, M. Chamberlain, (W) C(ouper), W. W. Dunlap, Chas. J. G. Frazer, J. H. Garnier, Harold Gilbert, J. Barnard Gilpin, Wm. L. Kells, J. L. LeMoine, T. MacIlwraith,

John A. Morden, W. H. Rintoul, W. L. Scott, Evert Smith and Ernest D. Wintle.

34. **THE COLLECTOR.** Monthly Jorunal Devoted to the Interests of Collectors of Specimens of Natural History, etc. Charles & James Keys, Publishers, 926 Ninth Street, Des Moines, Iowa. 50 cents per annum in advance. Med. 8 vo.

Vol. II, Nos. 6-8, Oct.-Dec., 1882, pp. 45-76, covers.

The only numbers seen. Volume III was advertised to begin January, 1883. Notes by J. C. Chesebrogh, Frank W. E., U. S. G(rant), C. B. H(urst), all but the first local egg collectors.

35. **THE COLLECTOR.** Monthly 50 Cents A Year. Pekin, Ill. 8 vo.

A Magazine Devoted to the Interest of Collectors. Issued on or about the 15th of each month. Fred E. Lux, Editor and Publisher.

Vol. I, Nos. 2-6, Dec., 1892-Apr., 1893, pp. 12+12+36, nearly half advertisements. I have not seen No. 1.

Bird matter by F. E. Lux and Chas. Acey White. "Discontinued Dec. 1, 1893." Subscriptions filled by the "American Magazine of Natural Sci-

36. **THE COLLECTOR AND EXCHANGE.** Published Semi-Monthly at 115 10th St., Buffalo, N. Y. H. S. Pickett & Co., Editors and Publishers. E. S. A. McLeod, Business Manager. Subscription rates, 50 cents (reduced to 25c with No. 3). 8vo.

Vol. I, Nos. 1-4&5, Aug. 1-Oct.&Nov., 1888, 36 pp. incl. 18 pp. adv.

Mainly philatelic, contains serial on "Birds, Their Habits and History," by "Curio."

37. **THE COLLECTORS' ADVOCATE.** DEVOTED TO ALL BRANCHES OF COLLECTING CINCINNATI, O. 8vo.

EDITED AND PUBLISHED BY CHAS. TARVIN. Terms of subscription. One year, post-paid, 20 cts. Six months 10 cts. Single copies 2 cts.

Vol. I, No. 1, Jan., 1888, 8 pp., unpaged.

"Birds of Central Kentucky," by C. P. T. Notes on 16 common species nesting in Campbell and Kenton counties.

38. THE **Collectors' Illustrated Magazine.** A MONTHLY MAGAZINE Devoted to the Interests of Collectors in all Branches. (contents) EDITED AND PUBLISHED BY E. M. HEIGHT, RIVERSIDE, CAL. Price 50 Cts. per Annum. Single Copies, 5 Cts. 8 vo.

Vol. I, Nos. 1-2, Jan.-Feb., 1888, pp. 1-27 and covers.

Suspended, unable to get second class rates. Subs. trans. to "The Old Curiosity Shop." Contributions by Wm. L. Kells and H. R. Taylor.

ritzen, Publishers, 3812 Langley Ave.,

39. **THE COLLECTORS' JOURNAL.** (contents) Lindquist and Lauritzen, Publishers, 3812 Langley Ave., Chicago, Ill. 8vo.

An Illustrated Monthly Magazine of Pleasure and Profit for the Man or Woman with a Hobby. Official Journal for the Chicago Philatelic Society and American Society of Curio Collectors. H. L. Lindquist, Editor and Mgr., 3812 Langley Ave., L. A. Lauritzen, Circulation Mgr., 422 W. 63rd St., Chicago, Ill. Subs. 50c. per year.

Vol. 3, Nos. 1-10, 11&12, Jan.-Oct., Dec., 1909, pp. 1-292, covers.

Items by Ernest Short, "Supt. Identification Ornithology."

A supplement containing official reports is entitled: THE AMERICAN SOCIETY of CURIO COLLECTORS' YEAR BOOK 1909. Edited and Published by H. L. Lindquist, 3812 Langley Ave., Chicago. Assisted by Mrs. F. May Tuttle, Secretary, Osage, Iowa. Price 25c. per copy.

40. **The Collectors' Monthly.** FOR THOSE INTERESTED IN NATURAL HISTORY, DANIELSONVILLE, CONN. Post 8 vo.

A Monthly Magazine Devoted to Ornithology, Oology and Natural History. Charles H. Prince, Editor and Publisher. Subs. 30c. Single copy 3c.

Vol. 1, Nos. 1-2, Nov.-Dec., 1890, pp. 1-8.

Vol. 2, Nos. 1-12 (6&7 double) Jan.-Dec., 1891, pp. 9-76.

Vol. 3, Nos. 1-5, Jan.-May, 1892, pp. 1-40. The cover sometimes contains editorials or correspondence and may or may not figure in the pagination.

Contributions by Carlton Ball, N. R. Christie, Albert Garrett, R. F. Green, G. L. Howe, Fred T. Jencks, J. Warren Jacobs, L. L. Knox, Rev. J. H. Langille, George A. Morrison, C. C. Purdum, C. E. Pleas, Dr. A. G. Prill, P. B. Peabody, Ernest H. Short, J. A. Singley and Ed. Van Winkle. W. W. Worthington's "Notes on the Birds of Long Island," ran through the entire series. Suspended, the unexpired sub-

scriptions filled by the "Oologists' Journal."

41. **THE COLLECTORS' NATURAL HISTORY MONTHLY,** NEWBURGH, N. Y. 8vo.

(Subtitle) THE COLLECTORS' MONTHLY. Devoted to Oology, Ornithology, Entomology. J. B. Peck, Editor and Publisher. Subscription 50c. per annum.

Vol. 3, Nos. 1-4, Aug., 1893 pp. 1-32, covers.

Filling the unexpired subscriptions of the "Collectors' Monthly" and the "Oologists' Journal." Articles by John A Bryant, B. S. Bowdish, W. S. Cruzen, J. Luhrnam, Jr., A. F. Ostrander, B. J. Peckham, C. C. Purdum, T. C. Young and W. W. Worthington.

42. **THE | COLLECTORS | NOTE BOOK** | A MONTHLY MAGAZINE | Devoted to | COLLECTORS & COLLECTING| | In General. |—| VOLUME I. |—| COMPILED AND PUBLISHED BY | THOMAS BURNETT, | Camden, N. J., U. S. A. 12 mo.

Vol. I, Nos. 1-6, Dec., 1903-May, 1904, pp. 98 incl. suppl.

Vol. II, Nos. 1-5, June-Oct., 1904, pp. 99-198.

Vol. 3 (III), Nos. 1-3, Dec., 1904-Feb., 1905. pp. 1-40.

No doubt there was an issue November, 1904, and also later than February, 1905. The subscription was increased from 20 to 25 cents, with the second volume, and the third published by Robert J. Wythe. It is well printed and with covers. R. W. Shufeldt's paper on taxidermy is the only contribution of interest to the ornithologist.

43. **THE COLLECTORS' SCIENCE MONTHLY.** A Magazine devoted to the Interests of Collectors of Natural History Specimens, Stamps, Coins, Etc., Etc C. S. M. Publishing Comp'y (Howes & Spaulding, Pubs.) Battle Creek, Mich. 8 vo. Subs. 75 (50) per annum.

Vol. I, Nos. 1-3, Mar.-May, 1886, pp 42, 14 pp. adv., cover.

Contains "My Visit to a Herony," W. E. Ely, M.D.

44. **THE COLLECTORS' STAR** PAWNEE, NEBR. 8vo.

A monthly devoted to collecting. Published by STAR PUBLISHING CO. Subscription, U. S. and Canada, 15c.

Vol. I, No. 2, Mar. (Feb., 1888, 4 pp. unp.

"Game Birds of California" by N. R. Christie. Notes on 8 species.

45. **THE CURIO BULLETIN** (date) Official Journal of the American Society of Curio Collectors VOLUME I. Edited and Published by H. L. LINDQUIST, Secretary, 3812 LANGLEY AVENUE, CHICAGO, ILL. 8 vo.

Quarterly. Devoted to Natural History and Curio Collecting. 50c. a year, 15c a copy. (Autumn number: Published by the American Society of Curio Collectors, Central Office, 1202 Main St., Osage, Iowa.)

Vol. I, Nos. 1-3, Mar., Apr., Autumn, 1910, pp. 64+24.

Howard E. Bishop, Supt. Identification, Ornithology. Contributions by W. L. Griffin and F. May Tuttle. Suspended, Subscribers transferred to "The Curio Collector."

46. **THE CURIO COLLECTOR** (date) Official Journal of the American Society of Curio Collectors VOLUME I Published by The American Society of Curio Collectors Central Office, 1202 Main St., Osage, Iowa. 8 vo.

Published quarterly at 50 cents a year. F. May Tuttle, Editor-in-chief. Corinne B. Wolverton, Publisher.

Vol. I, No. 4, Winter, 1911, pp. 1-24.

Vol. II, Nos. 1-4, Spring 1911-Winter, 1912, pp. 36+44+28+18.

Vol. III, No. 1, Spring, 1912, pp. 1-24.

Contributions by H. E. Bishop, W. R. Lawshe, W. H. McMillen, W. H. Over, J. L. Sloanaker, F. May Tuttle, Alex. Walter, Mayme Weller, and Corrine Woolverton.

47. **THE CURIO INFORMANT.** NASHVILLE, TENN. Folio.

Published Monthly by James McBride, 1023 South Market St., Nashville, Tenn. Subscription 25 cents per Annum in Advance.

Vol. I, No. 1-4, Aug. 1-Nov., 1889, pp. 4+4+4+4.

Devoted mainly to archæology. Short papers by "Dive-Dapper" and Ira C. Harper.

48. **The Curiosity World.** LAKE VILLAGE, N. H. Folio.

(Monthly) H. J. Miron, Editor. John M. Hubbard, Publisher. Subscription Price, United States and Canada 25c. Foreign Countries 37c.

Vol. I, Nos. 1-12, (Sept.?), 1886,-(Aug.?), 1887, (48?) unpp.

Vol. II, Nos. 1-7, (Sept. 1?)-Dec. 1, 1887.

20,000 copies of first 6 nos. sworn to have been circulated. 1-3 out of print almost immediately. Of this volume only Nos. 2, 5, 6 and 8 were examined. With second volume the subscription was raised to 50 and 75 cents and issued on the 1st and 15th of each month. Good articles by Will M. Clemens, Oliver Davie, W. H. Foote, J. W. Jacobs, L. T. Meyer, H. J. Miron, Chas. E. Morrison and L. O. Pindar.

49. **THE CURLEW.** Entered at the Post Office, Orleans, Ind., Nov. 28, 1888, as second class matter. (dates, no., contents) Subscription Price, 25 Cents Per Year. PUBLISHED MONTHLY BY O. P. HAUGER & CO. ORLEANS, INDIANA (cover form No. 4&5) 16 mo.

(Cover form No. 6-7) THE CURLEW. (eng. of Curlew) Subscription Price, 25 Cents Per Year. Single Copies 3 Cents. PUBLISHED FOR THE WILSON CHAPTER, A. A. J. B. RICHARDS, PRESIDENT, LYNDS JONES, SECRETARY, EDITORS. Published Monthly By O. P. HAUGER & CO., ORLEANS, INDIANA.

Vol. I, Nos. 1-7, Oct., 1888-Apr., 1889, pp. 1-64.

First few numbers organ of the Young Ornithologists' Association. Short papers by E. P. Carlton, F. W. Curtis, J. A. Donald, Lynds Jones, W. A. Miller, Jr., R. M. Strong, H. P. T. Weathern, G. L. White and others.

50. **EGGS AND STAMPS.** Post 8vo.

A Monthly Journal issued for the Benefit of ORNITHOLOGISTS AND PHILATELISTS. Edited By STEPHEN J. ADAMS, Cornish, Maine. CHAS. ACEY WHITE, Omaha, Neb., Gen. Agent. 20 Cents Per Annum.

Vol. I, Nos. 1-2, Jan.-Feb., 1894, pp. 1-16. Initial no. not paged. Circulation 500 copies. Bird matter unimportant.

51. **THE EMPIRE STATE EXCHANGE.** A MONTHLY for COLLECTORS. DEVOTED TO MINERALOGY, Archaeology and GEOLOGY, and to the other Natural Sciences to Philately and EXCHANGES. (contents) Perrine Bro's & Co., Publishers, Water Valley, Erie Co., N. Y. (cover form of No. 2, No. 1 without cover). Nos. 1-6, 12 mo. later 8 vo.

Ulysses R. Perrine, Editor. Subs. one year, 25c.

Vol. I, Nos. 1-X, Nov., 1889-Oct., 1890, pp. 1-108, incl. 5 pp. adv.

Vol. II, Nos. I-II, Dec., 1890-Jan. 1891, pp. 1-24.

Vol. III, Nos. 1-4, Nov., 1891-Feb., 1892, pp. 1-48.

Of volume I, No. vii, is without cover, and the numbers following have a more elaborate cover with the introduction of the state seal. Possibly there are one more number of the second volume, but I think not. Suspended temporarily. Vol. III has an engraved cover, was published at Eden Valley at 15 cents a year. Discontinued after No. 4. Contributors: Letson Balliet, Geo. McCarthy, J. R. Craigue, C. S. Hammet, James Hill, R. M. Miller and J. Edw. Smith.

52. **THE EXCHANGE.** A paper devoted to Oology, Taxidermy, and Ornithology. Entered at the P. O. of Mendota, Ill., as second class mail matter May 6, 1889. Demy 8 vo.

Published Monthly. Bunker & Park, Publishers and Editors.

Vol. I, Nos. 1-4, Apr.-July, 1889, pp. 32, unpp., incl. about one-quarter space in adv. No. 1 not seen.

Communications signed with initials except that of W. T. Miller. Suspended, subscriptions transferred to "Oologists' Exchange."

53. **THE EXCHANGE,** ADRIEN MICH. Demy. 8vo.

PUBLISHED MONTHLY. C. R. BURR, EDITOR. TERMS One Year $ .25.

Vol. I, Nos. 1-11&12, (Feb.?)-Nov.& Dec., 1885, (48?), unpp. the last two with covers, over one-third adv.

E. J. Stebbins and Geo. W. Tripp became the editors under the name of The Exchange Publishing Co., and the subscription increased to 35 cents. The last number is really a triple number, "No. 10" on cover, and "No.'s 11 & 12," inside. "Hunting for Eiderdown," anon.

54. **Exchangers' Register.** Baldwinville, N. Y. Published by the Register Publishing Company. Folio post 4 to.

A Monthly Paper, devoted to the interests of Exchangers. J. J. Prouty,editor,SUBSCRIPTION PRICE, One Year, 50 cents; Six Months, 30 cents; Single Copies, 5 cents.

Vol. I, Nos. 1-4, (Mar.?)-June, 1885, unpp. 8 pp. to issue.

File incomplete. An article on Eider Ducks" by W. E. Matheson.

55. **"Familiar Science and Fanciers' Journal** an Illustrated Magazine, devoted to the Student of Nature, and the Interest of Home. Joseph M. Wade, Editor and Proprietor, Springfield, Mass."

Vol. V. Nos. 1-12,. Jan.-Dec., 1878 (new series).

Vol. VI, Nos. 1-(12?)) Jan.-Dec.?) 1879. (new series).

Continued as the "Fanciers' Journal." Not personally examined. Notes by H. T. Gates, C. W. Gidney, Mary H. Hamlin, C. J. Maynard, B. Borsford, F. T. J(encks), "J. M. W." (C. M. Rawson), John H. Sage and William Wood, the latter on "The (Rapacious) Birds of Connecticut," which ran through volume V and most of volume VI.

56. **Field and Forest** | DEVOTED TO | GENERAL NATURAL HISTORY |—| CHARLES R. DODGE, EDITOR. |—| BULLETIN OF THE POTOMIC-SIDE NATURALISTS' CLUB.|—| VOLUME I(-III)|(small eng.) | WASHINGTON: | THE COLUMBIA| PRESS. | 1876(-1878). 8 vo.

Subs. U. S. and Canada $1.00, foreign $1.25. (In vols. II and III, the second and third lines of title are altered to: A MONTHLY JOURNAL | |DEVOTED TO NATURAL SCIENCES.

Vol. I, Nos. 1-12 (incl. 4 double nos.) June, 1875-May, 1876, pp. iv+96 and 1 ppl.

Vol. II, Nos. 1-12, July, 1876-June, 1877, pp. 5+220 and 3 ppl.

Vol. III, Nos. 1-10, 11 & 12, July, 1877-Apr., May & June, 1878, pp. iv+172 and 3 ppl.

Dr. Coues says in the Salutatory: "With temporary interruption during the late political troubles, the Club has met regularly during a portion of each year since 1856, to devote an evening to the reading of papers, the exhibition of specimens, and the interchange of opinion. Until recently, the meetings were held at the residences of the members in turn, and the host of one evening became chairman of the next." The ornithological notes, papers and communications by J. A. Allen, M. E. Banning, W. H. Ballou, J. J. Checkering, Elliott Coues, H. W. Henshaw, W. L. Jones, Pierre Louis Jouy, Ludovic Kumlein, Robert R. McLeod, D. W. Prentiss, G. H. Ragsdale, W. F. Roberts, Robert Ridgeway, David Scott, R. W. Shufeldt, N. B. Webster and Lester F. Ward, are of more or less importance as the names would imply. The publication ended with the triple number.

57. **Forest and Field.** GILBERTSVILLE (EDMESTON—with no. 8), OTSEGO COUNTY, N. Y. 8 vo.

PUBLISHED MONTHLY BY POPE & KELLOGG, WILLIAM POPE, L. J. KELLOGG, EDITORS (WILL POPE, EDITOR ANR PROPRIETOR, with no. 8). Subs. 25 cents, single copy 5 cents.

Vol. 1, Nos. 1-10, June 6, 1892-Mar., 1893, pp. 1-86, (pp. 77-78 not in evidence), no covers.

Especially devoted to ornithology, oology and entomology. Contributions by H. E. Barton, A. E. Bennett, S. O. Bush, Harry W. Clark, Ray Densmore, Ed. Doolittle, Arthur Farmer, Geo. D. French, G. T. Green, H. T. Greene, Charles Jenney, Daniel T. Kissam, Charles McGee, C. B. Parker, Ernest H. Short and others.

58. **THE GOLDEN STATE SCIENTIST.** A Monthly Journal Devoted to Zoology, Geology, Archaeology, Botany, Numismatics and Philately. EDITED AND PUBLISHED BY E. M. HAIGHT, RIVERSIDE, CALIFORNIA. Subscription Price 50 Cents per Year in Advance. 8 vo.

Vol. 1, No. 1, Oct, 1886, pp 1-8 and cover.

Vol. 1, No. 1, Aug., 1887, pp 1-12, (suppressed).

D. L. Foxhall's article on the Chuckwalla's widow, appeared in the initial number, and in the suppressed number. H. R. Taylor's notes on a collecting trip to Donner, Placier Co., Cal., where he found nesting the Mountain Chickadee, White-headed Woodpecker, White-crowned Sparrow, Western Robin and Blue-fronted Jay. Perhaps my copy is unique! There appears on the front page in the handwriting of the editor, "Do not reprint any of these articles in your paper at present, as I wish to reprint them in the first issue of my new magazine (Collectors' Illustrated Magazine), as they were written for this magazine, none of which were sent out owing principally to the many blunders made in the advertisements and only 450 copies were printed when there should have been 1000."

59. **THE HAWKEYE OBSERVER.** A Monthly Journal of Natural History and Science. Davenport, Iowa. E. K. Putnam, Gus Finger, Editors. Terms:

Three months, 15 cents; six months, 25 cents; single copy, 5 cents. Med. 8vo.

Vol. 1, Nos. 1-8, 9, (Apr. ?)-Nov.., Dec., 1885 (Jan., Feb., 1886). pp 8 to issue, last with cover.

The first six numbers were published by Chapter 158 of the Agassiz Association, Academy of Sciences, later by the editors, the third being J. P. Hubbell. Contains "Ostrich Farming in California," anon.

60. **THE HAWKEYE ORNITHOLOGIST AND OOLOGIST.** EDITED AND PUBLISHED BY (E. B.) WEBSTER AND (F. D. MEAD, CRESCO, IOWA. Med. 8vo. (vol. i, nos. 1-4 and vol. ii, nos. 1-9); superroyal to imperial 8vo. (vol. i, nos. 5-12.)

A Monthly Magazine Devoted to Ornithology and Kindred Subjects, and Geology. Subs. 50 cents. Single copy 5c. With No. 11 and 12, published by E. B. Webster. The above title displaced in No. 5, by engraved portrait of Snowy Owl, which in turn gave place to engraved cover with title of "THE HAWKEYE O. and O." and portrait of European Buzzard taken from Coues' Key, Vol. II, No. 2 (erroneously marked "Vol. 2, No. I," on cover).

Vol. I, Nos. 1-11 and 12, Jan.-Nov. and Dec., 1888, pp. 1-134.

Vol. II, Nos. 1-9 (7 and 8 double), Jan.-Sept., 1889, pp. 1-84. (pp 70-71, not apparent). Suspended, job office and museum destroyed by fire.

Articles by W. C. Brownell, Oliver Davis, W. H. Davis, J. D. Ford, R. M. Gibbs, J. Warren, Jacobs, W. L. Kells, L. O. Pindar, Neil F. Posson, W. E. Pratt, J. B. Purdy, Walter Raine, C. S. Shick, J. A. Singley, Thaddeus Surber, W. S. Strode, E. G. Ward, J. Claire Wood, and others.

61. **THE | HOOSIER NATURALIST.** | PUBLISHED FOR THE | ADVANCEMENT of POULAR SCIENCE, | WITH | ORNITHOLOGY, OOLOGY | AND | TAXIDERMY | AS SPECIALTIES. |—| VOLUME I. |—| VALPARAISO, INDIANA. | "IDEAL" STEAM PUBLISHING HOUSE. | 1886-87. Folio (nos. 1 and 2), med. 8 vo. (no. 3 and later).

A. C. Jones, R. B. Trouslot, Editors and Publishers. Pub. Monthly at 50 cents a year.

Vol. I, Nos. 1-12, Aug., 1885-July, 1886, pp. (i-iii) title and index, 1-102, incl. 52 pp. advs.

Vol. II, Nos. 1-12, Aug., 1886-July, 1887, pp. 1-170, incl. 2 pp. adv.

Pagination unreliable in several respects.

Circulation said to be 5000 copies. Prof. A. C. Jones retired at the end of 1885, and the subscription increased to 75 cents; reduced to 60 cents in June-Jan. 1887; R. B. Trouslot, Editor and Proprietor. R. B. Trouslot & Co., Publishers. Sold to C. R. Orcutt, Publisher of the "West American Scientist." Among the contributors are Geo. H. Berry, E. L. Brown, W. L. Blatchley, Oliver Davie, Edwin C. Davis, B. W. Everman, Chas. A. Keeler, W. L. Kells, Chas. H. Marsh, Chas. S. McPherson, F. A. Sawyer, A. M. Shields, J. O. Snyder and J. B. Wheeler.

The Hoosier Naturalist, VALPARAISO, INDIANA. Folio.

Published Bi-monthly at fifty cents a year, by Charles Lamson (with second number R. B. Trouslot & Co.)

Vol. III, Nos. 1-6 (4&5 double) Jan.-Nov., 1888 26 pp, incl. 3 pp adv., not consecutively paged.

Revived by permission of the publishers of the "West American Scientist." Circulation of the first number said to be 2000 and of the second number, 10,000 copies. Very little original matter, and that by Albert Garret and Chas. S. McPherson. Continued as the "Naturalist," Kansas City, Mo.

62. **THE HUMMER.** DEVOTED TO BIRD LIFE. PUBLISHED MONTHLY BY J. R BONWELL, NEBRASKA CITY, NEBR. (cover of first no.).

J. Robin Bonwell, M. A. Carriker, Jr., Editors. 5 cents a copy. By the year 40 cents. (Later numbers) Published on the 28th of each month by THE BONWELL PUBLISHING COMPANY, 821 N. 16th St., Nebraska City, Neb. 50c. a year.

Vol. I, Nos. 1-9, May 20th, 1899-Mar. 28th, 1900, about 24 pp. to issue, incl. covers and advertisements which take up about half. I have not seen Nos. 2-4, Nos. 5&6 are double.

This appears to be the joker of the pack, yet this shabby little periodical of less than 4 by 6 inches, actually obtained second class rates! The covers are variously printed: "First edition," "Subscribers' edition" or "Sample copy edition." The notes are by J. R. B. (onsell), M. A. C(arriker), Albert Ganier, Barton Nugent, C. H.

Sleight and R. P. Smithwick.

63. **THE HUMMINGBIRD.** Sans Souci, N. C. About 3 x 4 inches.

Devoted to Ornithology and Oology. Edited and published by J. W. P. Smithwick. Subscription rates: 10c. a year.

Vol. I, No. 1, Nov., 1890, pp. 1-8.

The only original note is "The Prothonotary Warbler, Nesting in Eastern N. C." by the editor. This neat, though tiny paper, evidently came from the press of "The Collector," New Chester, Pa., at a price approximating $1.50 for 250 copies.

64. **INTERCHANGE,** ORLEANS, IND. Med. 8vo.

A Quarterly Journal of Natural History and Collecting News, Comment and Review. Terms of subs. 25 cents per year. Single copies 7 cents each. O. P. Hauger.

Vol. I, No. 1, March, 1896, pp. 1-8 and covers.

In "Two Notable Books" the editor reviews the works of Oliver Davie.

65. **THE INTERNAT'L NATURALIST.** Devoted to NATURAL HISTORY. EDITED AND PUBLISHED BY C. W. HILLMAN, CANISTEO, N. Y., U. S. A. Demy 8 vo.

Monthly. Single subs. $1.25, Foreign, 12 cents extra.

Vol. 2, No. 5 (pp. 23-26 headlined "No. 4"), Jan., 1892, pp. 21-28, incl. adv.

The "Bittern," "Empire State Naturalist," and "Maine Ornithologist and Oologist," embodied in this slovenly sheet is the last word in inefficiency. Its immediate suspension is to be commended. Contributions by Dr. A. G. Prill, Robert R. Scorso, Geo. P. Shepherd and others.

66. **The Iowa Naturalist** | Volume 1(-2) | Edited by T. J. FITZPATRICK | (Iowa City, Iowa) | 1905(-1906-1909) 8 vo.

It is announced that "The publication is primarily for exchange but subscriptions will be taken at the rate of fifty cents for four issues."

Vol. 1, Nos.1-4, Jan., Apr., July, Oct., 1905, pp. (ii)+86. (67-68 not evident), pll. I-VI, (pp. 5-10 printed during August, 1904, and a limited number circulated).

Vol. 2, Nos. 1-4, Jan., 1906, Apr., 1907, July., Oct., 1909, pp. (iv)+68, pll. I-XI.

Vol. 3, No. 1, Jan., 1911, pp. 24.

Articles on ornithology by Clement L. Webster, "Albinism in Iowa," "Albino Gopher and Albino Prairie Chicken," and "The Passing and Return of the Blackbird in the Middle West."

67. **THE IOWA ORNITHOLOGIST,** | FOR THE | STUDENT OF BIRDS. | (quotation(|-|Volume I(-III).|-|SALEM, IOWA. | DAVID L. SAVAGE, PUBLISHER. | 1895 (-1896). (eng. of Owl inserted in vol. iii). Med. 8vo.

(Cover) The Iowa Ornithologist. A Quarterly Magazine Devoted to Ornithology and Oology. PUBLISHED FOR The Iowa Ornithological Association. 40 CENTS PER YEAR.

Vol. I, Nos. 1-4, Oct., 1894-July, 1895, pp. (i-ii) title and index, 1-94+2 pll.

Vol. II, Nos. 1-4, Oct., 1895,-Jan., Apr., Oct., 1896, pp. (i-ii) title and index, 1-88+3 pll.

Vol. III, Nos. I-III-4, Jan.-Oct., 1897, pp. (i-ii) title and index, 1-64+3 pll.

Vol. 4, Nos. 1-3, Jan.-July, 1898, pp. 16+18+12 and 2 pll.

Brimful of Iowa bird notes by Iowa ornithologists. Suspended upon resignation of the editor, David L. Savage, and later succeeded by the "Western Ornithologist."

68. **THE JOURNAL OF THE WILSON ORNITHOLOGICAL CHAPTER OF THE AGASSIZ ASSOCIATION.** (crude cut of Owl, nest and young). (CONTENTS) R. M. STRONG, Publisher, Oberlin, Ohio. Demy. 8vo.

Vols. 1-2, Jan. and June, 1893, pp. 16 +8 and covers.

Constitution, reports and membership list. A continuation of the "Wilson Quarterly."

69. **The Journal of the Maine Ornithological Society.** A QUARTERLY JOURNAL OF MAINE ORNITHOLOGY. "Bird protection, bird study,, the spread of the knowledge thus gained, these are our objects." BANGOR, MAINE. Large 12 mo.

C. H. Morrell (Vol. II, J. Merton Swain), Pittsfield (Waterville), Editor. Subs. 25 Cts. per Year. Single number, 10 Cts.

Vol. I, Nos. 1-4, Jan.-Oct., 1899, pp. 1-40.

Vol. II, Nos. 1-4, Jan.-Oct., 1900, pp. 1-41.

THE JOURNAL OF the Maine Ornithological Society, (eng. of Pelican on cover of first number.) Med. 8vo.
J. Merton Swain, Waterville (Fairfield), Editor.

Vol. III, Nos. 1-4, Jan.-Oct., 1901, pp. 1-56+1 full page ill.

Vol. IV, Nos. 1-4, Jan.-Oct., 1902, pp. 1-63+2pp. ill.(Subscription raised to 50 cents.)

Vol. V. Nos. 1-4, Jan.-Oct., 1903, pp. 1-59 and 2 pp. ill.

Vol. VI, Nos. 1-4, Jan.-Oct., 1904, pp. 1-81 and 4 pp. ill.

The Journal of the Maine Ornithological Society (Seal of the "MAINE ORNITHOLOGICAL SOCIETY. Bird Protection, Bird Study, The Spread of the Knowledge thus Gained. These Are Our Objects.") Editor W. H. BROWNSON, (Vol. XII LOUIS E. LEGGE), Portland, Associate Editor, LOUIS E. LEGGE (Vol. XII: JED F. FANNING), Portland. Published by the Society at 97½ Exchange Street, Portland, Maine (Vol. VIII, subs. raised to $1.00 a year and 25 cents a copy. Vol. XIII, editors not indicated.)

Vol. VII, Nos. 1-4, Jan.-Oct., 1905, pp. 1-80.

Vol. VIII, Nos. 1-4, Jan.-Oct., 1906, pp. 1-108, and 4 pp. ill.

Vol. IX, Nos. 1-4, Jan.-Oct., 1907, pp. 1-112+3 pp. ill.

Vol. X, Nos. 1-4, Jan.-Oct., 1908, pp. 1-120+3 ppp. ill.

Vol. XI, Nos. 1-4, Jan.-Oct., 1909, pp. 1-96+4 pp. ill.

Vol. XII, Nos. 1-4, Jan.-Oct., 1910, pp. 1-80+5 pp. ill.

Vol. XIII, Nos. 1-4, Jan.-Oct., 1911, 1-70+3 pp. ill.

Discontinued. A file of this journal is indespensible to the student of the birds of Maine as it contains many careful contributions. Vols. II-VII, as a whole, are out of print and command a premium of from $1.00 to $2.00. Vols. I and VIII are now worth $1.00 each.

70. **THE KANSAS CITY SCIENTIST** FORMERLY THE NATURALIST. (CONTENTS) ACADEMY OF SCIENCE PUB. CO., Publishers. Room 20 Bayard Building, KANSAS CITY, MO. 8 vo.

R. B. Trouslot, Editor, Assisted by E. T. Keim (Joseph Sharp, M. D.), E. Butts, David H. Todd and Sid. J. Hare. Subs. $1.00 per year.

Vol. 5, Nos. 1-12, Jan.-Dec., 1891, pp. 1-192 incl. index pll. 1-III.

Papers contributed by George H. Berry, W. C. Brownell, S. J. H(are), Thomas H. Jackson, Vernon L. Kellogg, Wm. H. R. Lykins, P. B. Peabody, Neil Franklin Posson, R. W. Shufeldt and Dr. W. S. Strode. An excellent biography of Elliott Coues, by E. S. Lawton, A desirable publication, lasting only one year. The Official Organ of the Kansas City Academy of Science.

71. **THE LITERARY COMPANION.** Folio.

A MONTHLY REVIEW OF POPULAR SCIENCE AND PHILATELY, IN WHICH IS CONSOLIDATED THE AGASSIZ COMPANION AND THE AGASSIZ RECORD. WILL H. PLANK, Editor. 25 cents a year. To Foreign Countries, 35 cents. Single Copies, 3 cents. Circulation 1000.

Vol. I, Nos. 1- Feb., 1889, 4 pp. to number.

Vol. II, Nos. 1- Mar., 1890, 4pp to number.

Official Organ of the Wyandotte Society of Natural History. Ornithological matter unimportant in the broken file examined.

72. **THE LEIGHTON NEWS,** LEIGHTON, ALA. Post 8vo.

Edited and Published Semi-Monthly on the 1st & 15th of each month by F. W. McCormack. Subscription Price 50 cents per annum.

Vol. I. Nos. 1-(15?), May 17-Dec. 15, 1890, (73?)pp. incl. adv., unpp.

Vol. II, Nos. 1-25, Jan. 1, 1891-Jan. 2, 1892, 200 pp. incl. covers and adv.

Began as a 4 page, 2 column amateur local paper, printed one page at the time on a small hand press, with something like 300 subscribers, it was enlarged to 8 pages on November 1, 1890, by the addition of a colored cover. Beginning with Feb. 1, 1891, (vol. ii, no. 3) "The Notes on Colbert Co. (Alabama) Birds," by F. W. McCormack, continued until the final number, Jan. 2, 1892, from 2 to 5 pages to the issue, 67 pages in all, 156 species were enumerated and annotated. Through the courtesy of Mr. McCormack, I have been enabled to examine his file of this volume, No. 4 being in the original typewritten manuscript. After completing the second volume, the paper was discontinued until Feb. 2, 1894, to enable the editor to attend college, and volume III, number I, appeared as a six column folio weekly newspaper.

73. **THE LOON.** (CONTENTS) DEVOTED TO ORNITHOLOGY AND OOLOGY. THAD. SURBER, Editor. Published Monthly, 50 cents per an-

num. WHITE SUL(PHUR) SPRINGS, W. VA., LOON PRESS, 1889. Crown 8vo.

Vol. I, Nos. 1-10, Jan.-Oct., 1889, pp. 1-78, incl. 2pp adv., cover.

The initial number became exhausted almost immediately. Nos. 8-10 printed on a better grade of paper. Contributers: F. H. Andrews, S. A. Ball, F. C. Baker, John E. Douglass, Jr., J. S. Griffing, Chas. T. Hepburn, W. L. Kells. W. F. Lewis, Jno. E. Marble, A. McLeod, Chas. L. McPherson, C. W. Swallow, E. B. Webster, J. Claire and Walter Wood.

74. **Maine Ornithologist and Oologist.** GARLAND, ME., 8vo.

Edited and published monthly by H. Staunton Sawyer. Subs., 30c. (with no 5, 15c.; no 10, 25c.) per year.

Vol. I, Nos. 1-12 (no. 3-4 double), Mar., 1890-Feb., 1891, 46 pp., covers with No. 10 and later.

Vol. II, Nos. 1-3, Mar.-May, 1891, 12 pp., covers.

With the April, 1891 number, C. N. Hillman of Canisteo, N. Y., became associate editor, and following the May issue it was succeeded by the "International Naturalist."

Short contributions by W. A. Bryan, F. L. B(urns), B. S. Bowdish, J. V. Crone, W. J. Comstock, C. A. Ely, J. W. Jacobs, Geo. Mims, R. R. Scorco, J. W. P. Smithwick, C. O. Trowbridge, Stewart White and others.

75. **MILWAUKEE NATURALIST,** MILWAUKEE, WIS. Med. 8vo.

A Monthly, devoted to Natural History. Edited and Published by Emanuel Senn, 255 Twelfth Street, Milwaukee, Wisconsin. Subs 25 cts. per year. Sample Copies 3 cents each.

Vol. 3, Nos. 1-11&12, Jan.-Nov.&Dec., 1886, 58 pp. incl. 13 pp. adv. unpp., last two issues with covers.

Of considerable value to the ornithologist. William Lawrence Kells' "Canadian Ornithology" ran through Nos. 2-12 inclusive, and L. Brice, G. F. Breninger, Charles Keeler, W. Hull, A. M. Shields, Albert G. Prill, Frank H. Cooper, W. H. Foote, and others contributed notes of interest.

76. **THE MUSEUM**–NATURE ART —AN ILLUSTRATED MONTHLY JOURNAL FOR COLLECTORS OF ALL CLASSES AND YOUNG NATURALISTS. WM. F. FELL & CO., PRINTERS, 1220 Sansom Street, Philadelphia, Pa. SUBSCRIPTION PRICE $1.50 PER YEAR. SINGLE COPY, 15 CENTS (engraved cover design). Royal 8vo.

Vol. I, Nos. 1-4, May-Aug., 1885, pp. 1-68.

Merged with the "American Antiquarian," Clinton, Wis. Contains an illustrated article on "Rare and Curious Birds' Nests," by Prof. Thomas G. Gentry.

77. **THE MUSEUM.** | A JOURNAL DEVOTED TO RESEARCH IN NATURAL SCIENCE |—| Rates: $1.00 per year in advance, to all countries. Single numbers, 10 cents. Royal 8vo.

Walter F. Webb, Editor and Publisher, Albion, N. Y. Press of A. M. Eddy.

Vol. I, Nos. 1-12, Nov. 15, 1894-Oct. 15, 1895, pp. (iii)-viii title and index, 5-366 incl. 93 pp adv.

THE MUSEUM. | A Monthly Science Journal. | Rates $1.00 a year in advance to all countries. | Vol. II, 1895-6. Royal 8vo.

Vol. II, Nos. 1-12, Nov. 15, 1895-Oct. 15, 1896, pp. (i-iii), 5-286, incl. 63 pp. adv.

THE MUSEUM. | A Monthly Science Journal. | Rate, $1.00 a year in advance to all countries. | PUBLISHED ON THE FIFTEENTH OF EACH MONTH BY THE MUSEUM PUBLISHING CO., WALTER F. WEBB, MGR., | ALBION, N. Y. | Vol. III (-VI), 1896-7 (1899-1900). Royal 8 vo.

Vol. III, Nos. 1-12, Nov. 15, 1896-Oct. 15, 1897, pp. (i-iv), 3-190, incl. 68 pp. adv.

Vol. IV., Nos. 1-12, Nov., 1897-Oct., 1898, pp (i-ii), 5-190, incl. 60 pp. adv.

Vol. V., Nos. 1-12, Nov. 15, 1898-Oct. 15, 1899, pp. (i-ii), 3-186, incl. 63 pp. adv.

Vol. VI, Nos. 1-5 (erroneously marked vol. iv in no. 1), Nov. 15, 1899-Mar. 15, 1900, pp. 3-79, icl. 21 pp. adv.

In April, 1898, the subscription was reduced to 50 cents, and single numbers to 5 cents. The publisher of this magazine was a dealer in natural history specimens. The paper was not supported by a large corps of ornithological writers, nevertheless it is ably edited and of greater value than perhaps, it would first appear. The contributors are R. M. Anderson, Emerson Atkins, G. M. Allen, B. Buckenham, C. Barlow, J. H. Bowles, Edw. J. Brown, J. J. Carroll, Adolph B. Covert, Nathan L. Davis, Frederick Davis, Arthur M. Farmer, C. P. Forge, W. S.

Johnson, C. O. Ormsbee, A. G. Prill, C. C. Purdum, W. A. Stearns, James Savage, C. N. Sonne, P. A. Taverner and others. It was announced that with the April number of volume vi, the "Museum" would be combined with "The Naturalist, Farm and Fanciers' Review," edited by H. W. Kerr, Blencoe, Iowa, and published at Albion, N. Y.

78. **The Museum Bulletin,** Lake Village, N. H. Size of 8vo.

(No. 6 and later). MUSEUM BULLETIN DEVOTED TO THE INTERESTS OF ALL CLASSES AND THE PUBLIC IN GENERAL. Foolscap folio. PUBLISHED BY C. W. WILCOMB. Subscription 15 cents per year (12 NUMBERS).

Vol. I, Nos. 1-9, (May-) 1886-Jan. and Feb., 1887, pp. 4 to issue, about one-third adv.

Ornithology altogether from exchanges.

79. **THE NATURALIST.** A Monthly Magazine Devoted to Natural Science. 50 CENTS PER YEAR. PUBLISHED BY HERBERT STERZING, AUSTIN, TEXAS. JANUARY (AUG.-SEPT.,) 1894. Large 12 mo.

Vol. I. Nos. 1-8-9, Jan.-Aug.-Sept., 1894, pp. 1-104 and cover. Absorbed the "American Magazine of Natural Science," in July, and transferred to the "Oregon Naturalist" after the double number. Contributers: C. Barlow, J. W. Brown, J. J. Carroll, Geo. H. Davis, P. K. Gillman, Jesse W. Miller, C. C. Purdum, Adolph Stretcher, I. S. Trostler and Curtis Wright, Jr. The most valuable paper is "A List of the Birds of Wise County, Texas," by John A. Donald and R. L. More.

80. **THE NATURALIST.** DEVOTED ENTIRELY TO THE STUDY OF Ornithology and Geology PRICE PER ANNUM, 50c. FOREIGN COUNTRIES, 75c. SINGLE COPIES 5c. "Come and See the Works of God." Psalms LXVI:3. PUBLISHED BY the Naturalist Pub. Co., DES MOINES, IOWA, 1893. 8vo.

Vol. I, No. 1, (no date) pp. 1-8 and cover. Another ephemeral publication by Letson Balliet.

81. **THE NATURALIST,** OREGON CITY, OREGON. (See "Oregon Naturalist," Vol. 1, No. 12 and Vol. 2, No. 1).

82. **The Naturalist,** KANSAS CITY, MISSOURI. Folio.

Devoted to Ornithology, Oology, Taxidermy, etc Published Monthly at 30 cents a year. (No. 10, $1.00 per year) R. B. Trouslot & Co., proprietors. Editor, R. B. Trouslot (No. 10, Assisted by E. T. Keim, David H. Todd, and Sid. J. Hare.) Published by Milton P. Davis (No. 5, E. R. Ireland; Nos. 6-8, R. B. Trouslot & Co.)

Vol. IV, Nos. 1-10?, Jan., 1889-Oct. ?, 1890, pp. 1-64?, unpp.

January, 1890, this paper became the Official Organ of the Kansas City (Mo.) Academy of Science, and in October, it became the publisher and proprietor. It is possible that the volume ran to 12 numbers, since its successor did not begin before January, 1891. It is understood that the "Naturalist" was a continuation of the "Hoosier Naturalist." Contains few bird notes, and is of scarcely any value ornithologically.

83. **THE NATURALIST AND COLLECTOR** A MAGAZINE DEVOTED TO THE STUDY OF SCIENCE "YE WHO LOVE THE HAUNTS OF NATURE, LOVE THE SUNSHINE OF THE MEADOW, LOVE THE SHADOW OF THE FOREST,—LISTEN"! PUBLISHED MONTHLY AT ABINGTON, ILLINOIS, BY THE SHOOP PUB. CO. Post. 8vo.

P. Wilbur Shoop, Editor. Subs. 75c. per year.

Vol. I. Nos. 1-3, June 1,-Aug. 1, 1895, pp. 1-75 cover.

Suspended subscriptions filled by the "Oregon Naturalist." Contributers: J. R. Brownson, Morris Gibbs, J. D. Gorham, J. K. Keanan, R. Cliff Rice, Chas. Reynolds, B. G., and O. L. Scott, and N. A. Wood.

84. **THE NATURALISTS' COMPANION.** EDITED AND PUBLISHED BY CHARLES P. GUELF, BROCKPORT, N. Y. (cover title of No. 2), 8 vo.

An illustrated monthly published in the interest of Natural history. Single Subscription 50 cents a year. (H. F. Thompson, Indianapolis, Ind., associate editor, May-October, 1886).

Vol. I, Nos. 1-12 (8-9 double), July, 1885-June, 1886, pp. 1-178, incl covers and 3 pp. adv.

Vol. II, Nos. 1-5 & 6, Aug., 1886-Dec. & Jan., 1886-87, pp. 1-88.

May 23rd, 1887, announced suspension and transfer to the "West American Scientist." Contributors: F. H.

Borgholthans, Harry Harris, Arthur J. Howell, W. R. Leighton, F. C. Lusk, G. A. Morris, Chas. D. Oldright, C. D. Pendell, W. G. Roberts, Geo. H. Selover and J. Warren Jacobs ("Birds of Green County, Pa.").

85. **THE NATURALISTS' LEISURE HOUR AND MONTHLY BULLETIN, A. E. FOOTE,** (engraved title) SCIENCE AND PRACTICE, PHILADEIPHIA, PA. No. 1223 BELMONT (4116 ELM) AVENUE. Monthly. 50 (75)c. a year (for 12 numbers). 8 vo.

Began January, 1887, by Dr. Foote, in an endeavor to build up a great retail depot of natural history supplies. The subscription was reduced to 25 cents during the fourth year, with a circulation of 7,000, and the 16 pages were doubled by the addition of a second half to each number. Two editions were then published, a subscribers' on heavy paper, and an advertising on light paper.

Ran into the 17th year, at least, the last I have seen is dated Jan., No. 140, 1893. While the press work can scarcely be commended, the contents is more or less interesting to the ornithologist, especially during the earlier volumes; later the extensive lists of scientific literature are its chief value.

86. **THE NATURALISTS' JOURNAL.** Royal 8vo.

A Monthly Paper devoted to Natural History and Science and the cause of the Agassiz Association. Robert T. Taylor, Editor, Frankfort, Philadelphia. Yearly subscribers 50 cents.

Vol. II, Nos. 1-6, (Mar.?)-Aug. 1885, pp. 1-114.

Volume one I have not seen, there were two volumes however, Contains W. T. Damarest's "Audubon."

87. **THE NATURALISTS' QUARTERLY.** A Magazine Devoted to the Interests of Natural History in All its Branches. Published by the Naturalists' .Bureau. (George A Bates), Salem, Mass. Subscription price 50 cts. per year. 8 vo.

Vol. I, No. I, Jan., 1880, pp. 1-40. Contains an article on taxidermy in addition to the usual dealers' catalogue.

88. **THE NATURALISTS' Review,** DEVOTED EXCLUSIVELY TO NATURAL SCIENCE. SHRIEVES & DURLAND, Publishers,, BOSTON, MASS. 10c. PER COPY, $1.00 PER YEAR. Med. 8vo.

Vol. I, No. 1, Mar. 1895, pp. 1-24, incl. cover and adv.

Ornithological matter not original.

89. **THE NATURAL SCIENCE JOURNAL.** (List of Departmental Editors) MANAGING EDITOR, F. G HILLMAN. (CONTENTS) Published Monthly. The Atlantic Scientific Bureau, 1036 Acushnet Ave., New Bedford, Mass. Annual Subscription $1.00 Single Copies 10 cents. 8vo.

Vol. I, Nos. 1-2, Mar-Apri., 1897, pp. 1-60, incl. 9 pp. adv., covers.

Suspended. Contains Dr. M. T. Cleckley's List of the Birds of Georgia. Department of Ornithology and Oology conducted by Prof. W. A. Stearns, Atlanta, Ga.

90. **NATURAL SCIENCE NEWS,** | FOR THE | STUDENT OF NATURAL HISTORY, | - | VOLUME I (-II), | - | ALBION, N. Y. | FRANK H. LATTIN, PUBLISHER. | 1895-6. Foolscap folio.

Vol. I, Nos. 1-52, Feb. 2, 1895-Jan. 25, 1896, pp. 4+208.

Vol. II, Nos. 1-14, Feb. 1,-May 2, 1896, pp. 1-60 incl. index.

Suspended. Contains Short's "Birds of Western New York," correspondence relative to "What Has Become of the Bluebirds?" "Penikese-A Reminiscene," and lesser contributions, by J. W. Daniel, Jr., Morris Gibbs, Arthur W. Kirkpatrick, T. G. Pearson, Eugene Pericles, Dr. A. G. Prill, Morris Rice, E. H. Short, C. F. Stone, E. M. Vickers and L. W. Watkins. Subscriptions filled by the "Popular Science News."

91. **NATURE STUDY,** | PUBLISHED UNDER THE AUSPICES OF THE | Manchester | Institute of Arts and Sciences. | VOLUME IV. 1903-1904. | (seal) | Editor, EDWARD J. BURNHAM. | Associate Editors, | FREDERICK W. BATCHELDER, WILLIAM H. HUSE & | SUSY C. FOGG, THEODORA RICHARDSON. | MANCHESTER, N. H. | 1904. Med. 8vo.

50 cents per annum in advance. Nature Study Press.

Vol. IV. Nos. 1-12, June, 1903-May, 1904, pp. v+240+12 pll.

Vol. V, Nos. 1-2 June-July, 1904, pp. 1-40+2 pll.

The former editor could not supply me with any information other than it had discontinued. The signed articles are by E. J. Burnham, Alice B. Currier, O. M. Meyncke and Stephen D. Parrish.

92. **NATURE'S REALM** A MONTHLY MAGAZINE OF Popular Natural History. WILLIAM C. HARRIS, Managing Editor. SUBSCRIPTION PRICE $2.00 PER ANNUM. (contents) PUBLISHED BY THE HARRIS PUBLISHING CO. 10 WARREN ST., NEW YORK. J. KLINE EMMET, JR., Pres't. H. R. HARRIS, Sec'y and Treas. Royal 8vo.

Vol. II, Nos. 1-5, Jan.-May, 1891, pp. 1-200.

This magazine appears to be quite scarce, I have seen only a few numbers and do not know how many numbers appeared. Among the contributors are James Cameron, R. M. Gibbs, Frederic Howard, W. M. Kohl and T. O. Russell.

93. **The | Nidiologist** | Published by HENRY REED TAYLOR | ALAMADA CAL. | (a view of the Sierras with a Condor in the foreground) by P. W. Kahn, | HOME OF THE CALIFORNIA CONDOR. Royal 8vo.

AN ILLUSTRATED MONTHLY MAGAZINE DEVOTED THE STUDY OF ORNITHOLOGY, AND With Special Reference to the Nidification of North American Birds. Subscription (in advance) One Dollar.

Vol. I, Nos. 1-12 (10 and 11 double number), Sept., 1893-Aug., 1894, pp. (iv)+184.

THE NIDIOLOGIST. | ANNUAL SUBSCRIPTION, ONE DOLLAR. | AN| ILLUSTRATED MONTHLY JOURNAL | OF | NORTH AMERICAN | ORNITHOLOGY AND OOLOGY. | - | IT IS ONE THING TO BE POPULAR, IT IS ANOTHER THING TO BE ACCURATE. | THE NIDIOLOGIST IS BOTH IN ONE | EDITED BY HENRY REED TAYLOR, | Associated with Dr. R. W. Shufeldt. | 150 FIFTH AVENUE, NEW YORK CITY. Royal 8vo.

Vol. II, Nos. 1-12, Sept., 1894-Aug., 1895, pp. (iv)+174+1 col pl. suppl.

94. **THE | NIDOLOGIST** | (an artistic cover design by George E. Howard, in which Dr. Shufeldt's photo of a nest of young Wood Pewees features) | HENRY REED TAYLOR | EDITOR & PUBLISHER | ASSOCIATED | WITH | DR. R. W. SHUFELDT | OF THE | SMITHSONIAN INSTUTUTION | OFFICE OF PUBLICATON, | ALAMEDA, | CALIFORNIA | Vol. III; Sept., 1895-Aug. 1896. Royal 8vo.

Vol. III, Nos. 1-12 (4-5 double), Sept., 1895-Aug., 1896, pp. (vi)+150.

Vol. IV. Nos. 1-9, Sept., 1896-May, 1897, pp. 112+1 col. pl.

Suspended, subscriptions filled by the "Popular Science Monthly." The place made vacent by the defunct "O. & O." was almost immediately filled by the "Nidiologist." In December, 1894, the subscription was increased to $1.50, and so remained the balance of the volume. From March, 1895, to April, 1896, it was published in New York City, Following the criticism of Dr. Coues, the superfluous "i" was removed from the title, December, 1895, and marked the advent of a new cover design. Dr. Shufeldt became associated with the editor May, 1895, and severed his connections simultaneously with the withdrawal of the new, and the reappearance of the original cover design. With the beginning of third volume became Official Organ of the Cooper Ornithological Club.

Nos. 2 and 3 of the initial volume became exhausted before April, 1893, as much as $1.00 being offered for the former, sometime later the publisher offered two sets of Vol. I at $2.50. According to a circular letter appeal for financial aid, dated Dec. 12, 1896, the subscription list at no time exceeded 600.

95. **The|North American|Naturalist.** |—| A MONTHLY JOURNAL DEVOTED TO THE SCIENCE | OF NATURAL HISTORY. |—| RATES. | $1.50 per year (postage prepaid) in the United States, Canada and Mexico. | $2.00 per year (postage prepaid) in all other countries in the Postal Union. |—| PUBLISHED BY | The Naturalist Publishing Co. | Newark, New Jersey. | COPYRIGHT, 1896 | by The Naturalist Publishing Co. Royal 8vo.

Vol. I, No. 1, Apr., 1896, pp. 1-40, incl. 4 pp. adv. and cover.

Some notes by Nathan L. Davis and Geo. C. Stephens, the former being the editor of the Department of Ornithology and Oology.

96. **NOTES OF RHODE ISLAND ORNITHOLOGY** | EDITED BY | REGINALD HEBER HOWE, JR. | VOLUME I (-III). | BRISTOL, RHODE ISLAND | 1900 (-1903) Med. 8vo.

NOTES ON RHODE ISLAND ORNITHOLOGY, A quarterly publication for the purpose of furthering interest in ornithology in the State of Rhode Island. Published and edited by Reginald Heber Howe, Jr., Address,

Longwood, Brookline, Massachusetts. Terms, seventy-five cents (.75) a year. Single numbers, twenty cents (.20).

Vol. I, Nos. 1-4, Jan.-Oct., 1900, pp. (i) + 26, and covers.

Vol. II, Nos. 1-4, Jan.-Oct., 1901, pp. (i)+28, and covers.

Vol. III, Nos. 1-4, Jan.-Oct., 1902, pp. (i) + 29, and covers.

The terms for the last two years was one dollar per volume, twenty-five cents for a single number. A Rhode Island classic.

97. **THE OBSERVER** NATURAL HISTORY EDUCATION, GENERAL LITERATURE POPULAR SCIENCE, E. F. BIGELOW, PUBLISHER Demi folio.

PORTLAND, CONN. E. F. BIGELOW, Editor and Publisher, Published Monthly at No. 5 Waverly Ave. Subs. one year fifty cents.

Vol. I, Nos. 1-12, Jan.-Dec., 1890, 96, pp. (pagination began with each number.)

Vol. II, Nos. 1-12, Jan.-Dec., 1891, 96 pp. (pagination begin with each number.)

THE OBSERVER, |-| A MONTHLY MAGAZINE, |-| A Medium of Interchange of Observations | FOR | All Students and Lovers of Nature | DEVOTED TO | All Departments of Nature Studies. | E. F. BIGELOW, Editor and Publisher. | ASSOCIATE EDITORS, | M. A. BOOTH, F. R. M. S., MICROSCOPY, LONGMEADOW, MASS. | JNO. H. SAGE, Ornithology, PORTLAND, CONN. | A. W. PEARSON, Entomology, NORWICH, CONN.| C. A. SHEPARD, Botany, New Britain, Conn. | C. A. HARGRAVE, Conchology, Danville, Ind. ' F. P. GORMAN, Geology, 103 Knight St., Providence, R. I. | Vol. III (-IV). 1892 (-1893). | PORTLAND, CONN. SUBSCRIPtions, $1 PER YEAR. Med. 8vo.

Vol. III, Nos. 1-12, Jan.-Dec., 1892, pp. (vii)-384, covers.

Vol. IV, Nos. 1-12, Jan.-Dec., 1893, pp. (vi)-384, covers.

THE OBSERVER. | AN ILLUSTRATED MONTHLY MAGAZINE. |-| A Medium of Interchange of Observations | FOR | All Students and Lovers of Nature. |-| DEVOTED TO ALL DEPARTMENTS OF NATURE STUDIES |-| E. F. BIGELOW, Managing Editor and Publisher, |-| Departments, | THE OUTDOOR WORLD, H. H. BALLARD, E. F. BIGELOW, Editors. | ASSISTED BY THE FOLLOWING ASSOCIATE EDITORS, | JNO. H. SAGE, ORNITHOLOGY, Portland, Conn. | A. W. PEARSON, ENTOMOLOGIST, Norwich, Conn. | C. A. SHEPARD, BOTANY, New Britain, Conn. | C. A. HARGRAVE, CONCHOLOGY, Danville, Ind. F. P. GORMAN, BIOLOGY AND GEOLOGY, Providence, R. I. | THE AGASSIZ ASSOCIATION, Edited by H. H. BALLARD, President of the A. A., Pittsfield, Mass. | PRACTICAL MICROSCOPY, Edited by M. A. BOOTH, Longmeadow, Mass. |

Vol. V (-VIII). 1894 (-1897). | PORTLAND, CONN, SUBSCRIPTION, $1. PER YEAR. Med 8vo.

Vol. V. Nos. 1-12, Jan.-Dec., 1894, pp. (vii)-384, covers.

Vol. VI, Nos. 1-12, Jan.-Dec., 1895, pp. (vii)-144-240, covers.

Vol. VII, Nos. 1-12, Jan.-Dec., 1896, pp, (vii)-700, covers.

Vol. VIII, Nos. 1-8, Jan.-Aug., 1897, pp. 208, covers.

Suspended. Although there were some changes in associate editorship, John H. Sage remained at the head of his department throughout the series, and the three or more pages to a number, of popular ornithology, made up of short articles by various writers, and short notes and comments by the editor, are well edited and authoritive. This periodical is wholly out of print.

98. **The Ohio Naturalist**—EDITORIAL STAFF. EDITORS-IN-CHIEF JOHN H. SCHAFFNER, Vol. I. JAS S. HINE, Vol. II F. L. LANDACRE, Vol. III. ASSOCIATE EDITORS: Zoology—F. L. LANDACRE, Vol. I, II. JAS. S. HINES, Vol. III Botany—F. J. TYLOR, Vol. I. J. H. SHAFFNER, Vol. II, III. Geology—J. A. BROWNOCKER. Archaeology—W. C. MILLS. Ornithology—H. F. GRIGGS, vol. I. MAX MORSE, HINES, Vol. III. Botany—F. J. TYLOR, Vol. II. O. E. JENNINGS, Vol. III. ADVISORY BOARD: Prof W. A. KELLERMAN, Ph. D. Department of Botany. Prof. HERBERT OSBORN, M. Sc. Department of Zoology. Prof. J. A. BOWNOCKER D. Sc. Department of Geology. VOLUMES I, II and III. November, 1900.-June 1903.—COLUMBUS, OHIO, PUBLISHED BY THE BIOLOGICAL CLUB OF THE OHIO STATE UNIVERSITY. 1900-1903. Med. 8vo.

THE O. S. U. NATURALIST (cover title of first two numbers).

Annual subscription 50 cts. Single number 10 cts. (raised to $1.00, single number 15 cents, at the commencement of the fourth year.

Vol. I, Nos. 1-8, Nov., 1900-June, 1901, pp (vii title and index)+130. pll. 1-10.

Vol. II, Nos. 1-8, Nov. 1901-June, 1902, pp. (131)-298, pll.11-21.

Vol. III, Nos. 1-8, Nov., 1903-June, 1904, pp. 299-452+(vi) title and index to vols. i, ii and iii, pll. 1-21 incl. in pagnation.

Vol. IV, Nos. 1-5, Nov. 1904-Mar. 1905, pp. 1-114.

A journal devoted more especially to the natural history of Ohio. Published monthly during the academic year, from November to June. Papers by R. L. Baird, Walter J. Derby, Ray Densmore, Charles Dury, Robert F. Griggs, J. C. Hambleton, Lynds Jones, Herbert Osborn ("Mallophagan Records and Descriptions"), Theodore Clarke Smith and J. R. Taylor.

99. "**The Old Curiosity Shop.** Published by Will M. Clemens, Jamestown, N. Y.

Vol. I, 6 Nos, Dec., 1882-June-July, 1883, 28 pp., 84 columns, 16 ill.

Vol. II, 6 Nos , July-Dec., 1883, 76 pp., 16 ill.

Vol. III, 6 Nos., Jan.-July, 1884, 64 pp., 17 ill."

The Old Curiosity Shop. Jamestown, N. Y. Demy. 8vo.

Published Monthly by W. B. Brockway, at 47 Hazzard Street, Subs. 25 25 cts. per annum.

Vol. I(IV), Nos. 1-6, June-Nov., 1886, 24 pp. unpp.

Vol. I(V), Nos. 7-12, Dec., 1886-May, 1887, 24 pp. unpp.

THE OLD CURIOSITY SHOP. A JOURNAL DEVOTED TO PHILATELY, NUMISMATICS, NATURAL HISTORY, ANTIQUITIES & BRIC-A-BRAC.

Vol. 6 (-IX). CONTENTS The Old Curiosity Shop. JAMESTOWN, N. Y. Twenty-Five Cents a Year. (various coin and stamp eng.) Med. 8 vo. (except Nos. 36-38 of Vol. VIII, and Vol. IX entire, which are folio, and lack the characteristic cover form.)

Vol. 6, Nos. 31-34, July-Oct., 1887, pp. 8+8+8+12, incl. 14 pp. adv., covers.

Vol. VII, Nos. 35-38, Feb.-May, 1888, pp. 8+4+4+16, incl. 4 pp. adv., (nos. 35 and 38 with covers)

Vol. VIII, Nos. 1-11 (whole Nos. 39-49), Oct., 1888-Aug., 1889, pp. 166+4 (suppl. with No. 5), incl. 46 pp. adv., covers.

Vol. IX,Nos. 1-6, Jan.-Nov. 1890, pp. 36, incl. 11 pp. adv.

August, 1887, Will M. Clemens bought all right and title, removed to San Diego, Cal. and continued the publication under his own editorship, Feb., 1888, C. R. Orcutt being the publisher, for one month, when the latter became both editor and publisher, and continued in the latter capacity after E. M. Haight of Riverside, became editor and proprietor, Oct., 1888 to Aug., 1889. Owing to the ill health of E. M. Haight this magazine changed hands again: B. MacDonald, Editor, A. MacDonald, Manager, and published by The Collector Publishing Company, San Francisco, J. A. Ephram, Printer. It ran only six numbers more before suspending, A. MacDonald publishing the last four numbers. The subscription was raised to 50 cents in Nos. 37, 38, 42-45; and 35 cents in 39-41. Volumes I, II and III were scarce at $5.00 a set in 1888, according to the advertisement. Began as a stamp paper, became more general with the sixth volume and later, until the final volume, which was almost exclusively given to philately. Interesting short papers on birds by R. L. Clutter, R. M. Gibbs, S. Estle Miller, H. A. Talbot, H. R. Taylor and Geo. F. Wittemore. Wm. L. Kells has a series of notes on the "Canadian Wild Birds."

100. **THE OOLOGIST.** ISSUED IN THE INTERESTS OF COLLECTORS AND NATURALISTS. PUBLISHED AT UTICA, N. Y. (Vol. I, Nos. 1-2). (Crude wood cut heading by Willard) ISSUED IN BEHALF OF THE SCIENCE WHICH IT ADVOCATES. (Vol. I, No. 3 to Vol. III, No. 12.) Med. 8vo.

S. L. WILLARD & CO., Editors. Publication office at Utica, N. Y. Address all communications to the OOLOGIST, 27 Oneida street, Utica. TERMS: One copy one year (in advance) 50 cents. Five copies $2.25.

Vol. I, Nos. 1-12 (7-8 double), Mar., 1875-Feb., 1876, pp. 88+2 and 1 pl. (Sept.-Oct. suppl.)+1 (Nov. suppl.)+1 (Dec. suppl—supplements unpaged.) 30 ill.

Vol. II, Nos. 1-12 (9-10 double), Mar., 1876-Feb., 1877, pp. 92+1 (index), pp. 73-74 (Nov.-Dec.), and 83-84 (Jan.) are

marked "Supplements," also bound in with the March number, is an unpaged "First-annual Report of the Am. Oological Society," occupying a single page. 5 ill.

Vol. III, Nos. 1-12, Mar., 1877-Feb., 1878, pp. 102, incl. 2 pp. index, (pp. 17-18 (Apr.) and 83-84 (Dec..) "Supplements," and p. 62 erroneously marked "52.") 8 ill.

The Oologist: | A Monthly Journal devoted to the Study of Birds and their Eggs. |—| Edited by S. L. WILLARD. |—| VOLUME IV. | (woodcut of an egg) | UTICA, N. Y.: | Published at No. 27 Oneida street. Med. 8 vo.

Vol. IV, Nos. 1-12, Mar., 1878-Summer, 1879, pp. iv-100+1 col. pl., (temporary suspension following the July issue until January, due to insufficient financial support.) covers, 6 ill.

THE OOLOGIST. | A Monthly Journal | DEVOTED TO THE STUDY OF BIRDS, THEIR NESTS AND EGGS. |—| Edited by JOS. M. WADE, S. L. WILLARD. |—| VOLUME V. | (cut of egg) | ROCKVILLE, CONN.: |PUBLISHED BY JOS. M. WADE. Med. 8 vo.

Vol. V, Nos. 1-12, July, 1879-Feb., 1881, pp. iv-96 (suspended after Nov., 1879, until Aug., 1880, Oct.-Nov. numbers bound under one cover.) 3 ill.

This is the pioneer amateur oological periodical of America. S. L. Willard, a typical American boy of about sixteen years, after conducting an ornithological department in "The Repertory," a western amateur paper, became convinced of the need of a serial devoted to birds and their eggs, and without help, no money and little experience, engaged the services of an unemployed printer, and began the publication of this little paper. The first two issues were not only typographical failures, printed with coarse type on thin paper with scant margin and the headings all set up in type, but the subject matter trite and of too manifold nature, needless to state it received severe criticism, and the discouraged editor at a loss to pay the printer, withdrew the publication. However, several inquiries for sample copies from surprisingly remote localities and one or two press notices, awakened a fresh determination to proceed. For the third number, he invested in a bit of engravers' boxwood and carved a heading, at the same time he added a small font of type, sufficient to compose a single page, and negotiated with a boy friend to print it on his press, one page at a time. Five numbers were issued in this way during spare hours from school, when his friend having disposed of his press, it became necessary to do the printing elsewhere. From his plans, a local blacksmith built a press with a capacity of just one page, on which the next four numbers were printed.

It must be remembered that the editor was under the necessity of composing the bulk of the reading matter, particularly in the early volumes before the paper had many contributors. Beside writing under his own name, he published his own compositions in the form of essays for the editorial pages, Under the non de plume of "Ovum" he published a series of papers entitled "Birds' Nests and Eggs," which ran for three years, having for its inspiration a similar series by J. A. Whitley in "Amateur Age." Considerable also appeared over the name of "Avis." Over fifty woodcuts during the series, most of them wholly the work of this enthusiast (except a few bearing the signature of S. Pryor, sculptor) very crude work of course but showing great industry. Volume II, and most of volume III were printed on a large amateur press he had purchased, and the balance up to the first four numbers of volume V, on a better and larger press which he also used for job printing. Beginning with the fourth volume, the periodical attained to the dignity of a cover and an engraved design which is best described in the words of the proud engraver: "In the foreground, across the lower corner of the cover, appear three eggs strung upon a straw. A pair of Hawks have chosen a delightful position for their nest in the tree near the shore of the lake; the motherly Duck has nested early and is leading her little family into the reeds; the Egrit and Sandpipers are indespensible adjuncts to pleasure upon water; the Ruffed Grouse are both drumming; the Bubo virginianus knows very little about any Snowy Owl; a bird of prey, probably an Eagle, appears just over the horizon, a number of graceful Swallows skim through the air, and the Downy Woodpecker has found some-

thing upon the tree that seems to engage its attention."

On January, 1876, the subscription was reduced to 40 cents, and raised to 60 cents at the beginning of volume IV. With the November, 1879, issue, Jos. M. Wade undertook its publication, S. L. Willard becoming assistant editor, and the last eight numbers were issued from the office of a regular printer, with Rockville, Conn., as the place of publication. The five volumes required just six years to publish. This little magazine, though often quoted, is quite scarce. I know of only two or three complete sets in existence, one set collected recently, after much personal energy, advertising and correspondence, represented an outlay of almost $50 in cash. The first three volumes are, of course, the scarcest: worth from $10 to $15 each. The privilege of examining a complete file I owe to Mr. R. M. Barnes.

Probably the bulk of the contributions should be accredited to the editors. Among the most prominent or prolific are: W. T. Allen, Dr. H. A. Atkins, W. H. Ballou, T. M. Brewer, G. A. Boardman, A. W. Butler, C. E. Cole, W. H. Collins, A. Covart, W. Couper, F. J. Davis, D. H. Eaton, M. B. Griffing, C. W. Gunn, E. S. Hasbronck, H. Hale, M. Hardy, D. Hatch, C. A. Hawes, A. Herbert, J. Holzaphfel, J .S. Howland, E. Ingersoll, C. L. Rawson (the famous "J(ennie) M(ay) W(hipple)" until uncovered by J. P. Norris), J. T. Jones, F. T. Jencks, F. H. L(attin), C. J. Maynard, H. M(errell), C. A. Morse, W. H. Nash, B. J. Peckham, G. H. Ragsdale, J. H. Severance, J. H. Smith, F. A. S(ampson), D. D. Stone, V. M. Firor, H. G. Vennor, C. W. Stromburg, W. T. Warrick, E. E. W(intle) and W. Wood. With Volume VI, the publication became known as the "Ornithologist and Oologist."

101. **The Oologist's Advertiser.** DANIELSONVILLE, CONN. Size of 8vo.

A monthly Paper devoted to the study of birds, their nests and eggs. CHARLES H. PRINCE, Editor and Publisher. Subs. 15c. single copies 2c.

Vol. I, Nos. 1-3, Aug.-Oct., 1890, pp. 16(?), covers.

No. 1 not seen. Discontinued, subscriptions filled by "The Collectors' Monthly."

102. **THE OOLOGISTS' EXCHANGE.** AUSTIN, ILL. (nos. 8-12: SHARON, WIS.; vol. II, NEW YORK). Size of post 8vo.

Published Monthly at 15 cents a year (nos. 8-12, 10 cents, and vol. II, 20 cents a year). T. VERNON WILSON (nos. 8-12, DICKINSON & DURKEE; vol. II, ARTHUR E. PETTIT).

Vol, I, Nos. 1-12, Jan.-Dec., 1888, 52 pp. unpp., incl. 4 pp. adv.

Vol. II, Nos. 1-11, Apr., 1889-Feb., 1890, pp. 44+2 pl. unpp. incl. 2 pp adv. Suspended. Notes by F. C. Baker, W. C. Brownell, E. F. Gamble, Morris Gibbs, W. E. Hillman, W. Ingram, V. L. Lewis, LeGrande T. Meyer, F. H. Nutter, T. G. Pearson, L. N. Rossiter, Thad. Surber and E. B. Webster.

103. **THE OOLOGIST'S JOURNAL,** POUGHKEEPSIE, N. Y. Size of 8 vo. A MONTHLY MAGAZINE, DEVOTED TO ORNITHOLOGY AND OOLOGY. Edited and Published by FRED W. STACK. Subs. 25 cents per annum, Single copies 3c. each.

Vol. I, Nos. 1-3, Jan.-Mar., 1891, pp. 1-12, incl. 3 pp. adv.

Vol. II, Nos. 1-2&3, Jan.-Feb.,-Mar. Apr., 1892, pp. 1-14 and covers.

After the third number of the first volume it was merged with the "Sentinel Magazine," which proved a failure. With the double number of the final volume, the publishers were Stack & Peck, Fred W. Stack, Editor, and Jesse W. Peck, Associate Editor. Suspended, the subscriptions filled by the "Collectors' Monthly." Notes by I. U. Kinsey, F. W. McCormack, J. W. P. Smithwick, C. B. Vandycook and the editors.

104. **THE OREGON NATURALIST.** An Illustrated Monthly Devoted to Ornithology, Oology, and other Branches of Natural History. (eng. of European Avocet by Cheney after Brehm) Single Subscription 25 Cents Per Annum. G. B. CHENEY, Editor, OREGON CITY, OREGON: NATURALIST PUBLISHING COMPANY, 1894 (cover). Med 8vo.

Vol. I, Nos. 1, 2, 12, Sept., Oct., Dec., 1894, 24+16, incl. 9 pp. adv.

Vol. 2, Nos. 1-12, Jan.-Dec., 1895, pp. 172, incl. 1 pp. adv.

Vol. III, Nos. 1-12, Jan.-Dec., 1896, pp. 160.

Vol. IV, Nos. 1-9, Jan., 1897-Jan., 1898, pp. 68.

"Guaranteed circulation 3000." This magazine had quite a checkered career. With the December, 1894, number, it was consolidated with "The Naturalist" of Austin, Texas, and that issue and vol. 2, no. 1, only appeared under the latter title; the subscription was advanced to 50 cents, February, 1895, A. B. Averill became editor, and in March it announced that the North-Western Ornithological Association had made it the official organ; Dr. C. C. Purdum became associated with the editor, which he retained until it again changed hands November, 1896, to John Martin, Palestine, Oregon, and the subscription lowered to 25 cents, and the Avocet engraving was replaceod by the seal of the State of Oregon for the first four numbers of the last volume. Suspended.

Among the contributors are A. B. Averill, Fred. H. Andros, H. T. Bohnman, Geo. F. Breninger, D. A. Cohen, W. W. Cooke, W. Edwards, E. F. Hadley, C. B. Hadley, Wm. L. Kells, C. F. Pflinger, A. L. Pope, R. P. Smithwick, Ray Stryker and R. W. Williams, Jr.

105. **THE ORNITHOLOGIST.** TWIN BLUFFS, WIS. 8vo.

A Monthly paper of Natural History. Especially devoted to the study of Birds, their nests and habits. Edited by C. L. McCOLLUM. TERMS: 35 cents per year. Somple copies, each 4 cts.

Vol. I, Nos. 1-7, May-Dec., 1885, pp 60, incl. 10 pp. adv. (nos. 4-7 with covers).

Probably complete. The "Naturalists' Companion," Feb., 1886, stated this publication had suspended. Wm. L. Kells wrote a serial on "Canadian Wild Birds," and C. L. M(cCollum) on "Wisconsin Birds," also papers by C. H. A(ndros, L. Hayter, Charles H. Marsh and A. M. Shields.

106. **The ORNITHOLOGIST and BOTANIST.**—VOLUME (I-II). BINGHAMTON, N. Y. JOSEPH E. BLAIN & Co., 1891(-1892). Royal 8vo.

Joseph E. Blain, Editor and Publisher. Subs. 20 cents, Single copies 3c.

Vol.I, Nos. I-XII, Jan. 1,-Dec. 1, 1891, pp. 96 and covers.

Vol. II, Nos. 1, 2, 6, Jan., Feb., July 1, 1892, pp. 1-15, and 25-32, (no. 2 without cover). The pagination would seem to indicate an issue between nos. 2 and 6, probably a no. 3 for June, but no more according to my information.

With the fourth number, Willard N. Clute became editor, and the price was increased to 35 cents. At the end of the year 300 copies of the title and index were printed, indicating about the circulation at this time. It was then transferred to Letson Balliet and William S. Sanford, Des Moines, Iowa, and they became the editors and publishers, raising the subscription to 50 cents. The periodical speedily degenerated under the new management. Extravagant claims were made in respect to the circulation. After publishing a single number, the price was advanced to $1.00 a year, 10 cents a copy, and William S. Sanford & Co. editors and publishers; and the final issue with the Ornithologist and Botanist Publishing Co., just previous to the transfer to the "California Traveler and Naturalist." Contributors: B. S. Bowdish, H. C. Campbell, W. N. Clute, Edward Fuller, W. L. Kells, R. H. Lawrence, J. B. Lewis, H. E. Miller, A. H. Norton, E. B. Peck, N. F. Posson, W. S. Strode, J. M. Swain and Stewart E. White.

107. **THE | ORNITHOLOGIST | AND | OOLOGIST.** | (eng. of Screech Owl) | VOL. VI (-XVIII). 1881 (-1893). |—| BIRDS: THEIR NESTS AND EGGS. |—| PUBLISHED BY | JOSEPH M. WADE, | NORWICH, CONN. Royal 8 vo.

JOS. M. WADE, Editor, S. L. WILLARD, Ass't Editor. $1.00 per annum, 10 cents single copy. Index 10(12) cents.

Vol. VI, Nos. 1-12, Mar., 1881-Feb., 1882, pp. (viii)+96, (first four numbers published at Rockville, Conn.)

Vol. VII, Nos. 13-24, Mar.-Dec., 1882 (extra nos. May 15 and Dec. 15, to complete vol. in year.), pp. 97-192, (with Nov. no. published at Boston.)

Vol. VIII, Nos. 1-12, Jan.-Dec., 1883, pp. 96.

Vol. IX, Nos. 1-12, Jan.-Dec., 1884, pp. (vi)+152, (published at Pawtucket, R. I.

Vol. X, Nos. 1-12, Jan.-Dec., 1885, pp. (viii)+192.

Vol. XI, Nos. 1-12, Jan.-Dec., 1886, pp. (viii)+192, (published at Boston, Mass.)

Vol. XII, Nos. 1-12, Jan.-Dec., 1887, pp. (xi)+208.

Vol. XIII, Nos. 1-12, Jan.-Dec., 1888, pp. (vi)+192.

Vol. XIV, Nos. 1-12, Jan.-Dec., 1889, pp. (vi)+188.

Vol. XV, Nos. 1-12, Jan.-Dec., 1890, pp. (vi)+192.

Vil. XVI, Nos. 1-12, Jan.-Dec., 1891, pp. (iv)+184, (published at Hyde Park, Mass.)

Vol. XVII, Nos. 1-12, Jan.-Dec., 1892, pp. (iv)+187, incl. 5 pp. adv.

Vol. XVIII, Nos. 1-8, 9 and 10, Jan.-Aug., Sept. and Oct., 1893, pp. 144, incl. 6 pp. adv.

S. L. Willard retired at the close of volume VI, and with volume IX Frank B. Webster became publisher, and M. Eaton Cliff assumed the editorship as a successor to Jos. M. Wade. Volume XI, Frederic H. Carpenter, Rehobeth, Mass., became editor, with J. Parker Norris as Oological editor, and Wright & Bates, Entomological editors; Carpenter retired May, 1887, and Wright & Bates, the professional entomologists, July of the same year, when it was published by the Bristol Ornithological Club until the end of volume XII, after which Frank B. Webster resumed control editorially, with J. Parker Norris, Philadelphia, and Frank A. Bates. The last two volumes published by the Frank Blake Webster Company, and after no. 1, 1892, Frank A. Bates, name does not appear.

Volume XVII, the long familiar engraving of the Screech Owl on the permanent title page gives place to that of an Osprey scene, one of the same appearing on the cover since December, 1882, drawn by Edwin Sheppard of Philadelphia. The "O. & O." boasted a large and most loyal clientelage, both amateur and the trade, a list of whom would include the majority of the field collectors of the period. The deterioration began more than a year previous to the final issue of the triple number. A limited edition only of Vol. VI was printed and it was soon out of print, VII and VIII sells for $5, X-$2.50, XI-$2.00, and XVII-$1.50.

A few copies of a suppressed sheet (Vol VIII, No. 11, Nov., 1883, pp. 83-84) entitled "Plain English," being an editorial of caustic comment on the personnel of the Nuttall Ornithological Club and the newly organized American Ornithologists' Union; recently procured from the personal effects of the late Jos. M. Wade, have been put in circulation at 50 cents per copy by the Franklin Bookshop of Philadelphia.

108. **THE ORNITHOLOGISTS AND OOLOGISTS' SEMI-ANNUAL.** Royal 8 vo.

PRICE 25 CENTS PER COPY. PITTSFIELD, MASS., W. H. FOOTE, PUBLISHER, 1889. (No. 2 & later: BEST EDITION 35c. POPULAR EDITION 25c. W. H. FOOTE, PUBL'SH'R., Pittsfield, Mass.)

C. C. Maxfield, Willard, N. Y., editor of the second volume when it became the official organ of the Wilson Ornithological Chapter. The best edition was exhausted almost immediately, and some of the numbers are now quite scarce.

Vol I, Nos. 1-2, Jan., July, 1889, pp. 48+46, incl. 1 pl. (Blue Jay, drawn by W. H. Foote.)

Vol. 2, Nos. 1-2, Jan., July, 1890, pp. 48+44, incl. 2 pll. (Golden Eagle and eyre, drawn by W. Raine, from his "Bird Nesting in the Northwest," and an unsigned figure of the Am. Sparrow Hawk.)

Well written articles by the Brimley Brothers, G. F. Breninger, Lynds Jones, W. L. Kells, Chas. A. Keeler, L. G. T. Meyer, C. J. Pennock, Walter Raine, J. H. Rachford, W. G. Smith and others. Continued as "The Semi-Annual."

109. **THE OSPREY.** | AN ILLUSTRATED | MONTHLY MAGAZINE OF POPULAR ORNITHOLOGY. | VOL (UME) I (-V). | SEPTEMBER, 1896, TO SEPTEMBER, 1897 (-August, 1900, INCLUSIVE). | (reduced photo of Hummingbird, nest and young—after vol. I, Osprey scene. | EDITED BY WALTER ADAMS JOHNSON, | ASSOCIATED WITH DR. ELLIOTT COUES. |—| GALESBURG, ILL.: | THE OSPREY COMPANY. | 1897-(1900). Royal 8vo.

Subscription $1.00 per year, 10 cents a copy.

Vol. I, Nos. 1-12, Sept., 1898-July, Aug., 1897, pp. (vi)+150, incl. 11 full page ill.

Vol. II, Nos. 1-10, Sept, 1897-June,, 1898, pp. (vi)+138, incl. 15 full page ill.

Vol. III, Nos. 1-10, Sept., 1898-June, 1899, pp. (viii)+164, incl. 5 full page ill.

Vol. IV, Nos. 1-11, 12, Sept., Oct., 1899-Nov., Dec., 1900, pp. (viii)+187, incl. 6 full page ill.

Vol. V, Nos. 1-12 (11 and 12 double), Sept., 1900-July, Aug., 1901, pp. (ix)+176, incl. 13 full page ill.

THE OSPREY AN ILLUSTRATED MONTHLY MAGAZINE of BIRDS & NATURE (contents) Complete Series, Volume VI. THE OSPREY COMPANY, WASHINGTON, D. C. (cover form of Volume I, New Series, 1902.) Superroyal 8 vo.

Vol. I, (new series), Nos. 1-7, Jan.-July, 1902, pp. 108+42 (suppl.)&15 pll. (Suspended after No. 6, No. 7 not placed in general circulation.

The first two numbers edited by Walter A. Johnson and Dr. A. C. Murchison, the California department by Donald A. Cohen, the latter in place of Chester Barlow as originally announced in the April prospectus; and this periodical also published the proceedings of the Michigan Ornithological Club. After the second number edited by Walter A. Johnson alone until Dr. Coues became associated with him March, 1897, and the place of publication removed to 141 East 25th St., New York City. At the instance of Dr. Coues, it was purchased by Dr. Theodore Gill, and removed to Washington, D. C. October, 1899, and the latter two gentlemen became the editors, with Walter A. Johnson, associate, and Louis Agassiz Fuertes art editor. Dr. Gill, who had withdrawn from the April and May numbers, again assumed the editorship by June, upon the retirement of Dr. Coues.

Vol. V, No. 2, the editors were Dr. Theodore Gill in collaboration with Robert Ridgway, Leonard Stejneger, Frederic A. Lucas, Charles W. Richmond, Paul Bartsch, William Palmer and Harry C. Oberholser, of Washington, and Witmer Stone of Philadelphia. The only change made in the new series was the elevation of Paul Bartsch to chief editorship with Dr. Gill.

Among the special features "William Swainson and His Times," "The Osprey or Fishhawk: Its Characteristics and Habits," and as a supplement to the final volume: "General History of Birds," all by Dr. Gill. This by far the most brilliant of the minor ornithological periodicals, in all that goes to make a success, was nevertheless a failure. Volume I is very scarce and worth about $6.00.

110. **OUR BIRDS.** HOLYOKE. MASS. Published Monthly by Legion I, Knights of Audubon. Richard S. **Brooks, Editor,** Frank H. Metcalf, Publisher, subs. 30c., single copies 3 cts. 12 mo.

Vol. I, No. 1, May, 1880, 8 pp., incl. 2 pp adv.

Suspended, failed to get second class rates. Articles by Harry G. Parker and J. B. Underwood.

111. **The Owl,** Glenn Falls, N. Y. ISSUED QUARTERLY BY Chapter 711, AGASSIZ ASSOCIATION. DEVOTED TO THE CAUSE OF' INCREASING AN INTEREST IN NATURAL HISTORY, ESPECIALLY AMONG THE YOUNG-FOLKS. (contents) SUBSCRIPTION PRICE, 20 CENTS A YEAR. SINGLE NUMBER, 5 CENTS. H. Pearl Peck, Edw'd Wait, (-vol. II) Mary Green, Florence C. Buffum, (-vol. III). Newton B. Vanderzee, Business manager. Various 8 vo.

Vol. I, No. 4, May, 1886, pp. 8, incl. 1 p. adv., no covers.

Vol. II, Nos. 1-4, Nov., 1886, Feb., May, July, 1887, pp. 36, and covers.

Vol. III, Nos. 1-2, Nov., 1887, Feb., 1888, pp. 36, and covers.

The subscription of the first volume was 40 cents, and the edition 500 copies, with the second volume, 2000. I have not seen the first three numbers of the initial volume. Articles all unsigned. "The Birds of Glenn Falls and Vicinity," anon.

112. **THE OWL.** CHATHAM, N. Y. Published monthly at 25 cents per year by F. E. Birch & W. B. Daley. Size of med. 8 vo.

Vol. I, No. 1, Feb., 1890, 4 pp., unpp.

Notes by R. M. Barnes, H. H. Butler, Willard N. Clute and Neil F. Posson. Probably 2 or 3 numbers published at Chatham, none at Waynesburg, Pa., though it was announced by J. Warren Jacobs.

113. **THE PETREL** (photo of nest of Audubon's Caracara) VOL. I. PALESTINE, ORE., JANUARY,1901, NO. 1. Med. 8 vo.

AN ILLUSTRATED MONTHLY MAGAZINE DEVOTED TO ORNITHOLOGY AND OOLOGY. Edited by JOHN WILLIAM MARTIN. To United States, Canada, Mexico, 50 cts. Per Year. To other Countries, 60 cts. Per Year.

Vol. I, No. 1, Jan., 1901, pp. 16, and cover.

Suspended. The single number was

printed on good paper, and the following contributed: William L. Atkinson, James J. Carroll, E. F. Hadley, Wm. L. Kells and Walton I. Mitchell.

114. **Rambles in Nature.** JACKSON, MICH. Med. 8vo.

EDITED AND PUBLISHED MONTHLY BY R. J. WOOD, 304 JACKSON STREET, PRINTED BY B. J. CARTER, 110 Main Street. Single Subscription 30 cents per annum. To Foreign Countries 50 cents. Single Copies 5 cents.

Vol. I, Nos. 1-2, May-June, 1885, pp. 16, and covers.

Possibly one or two more numbers before suspending, since an exchange states that "the September number did not appear." Papers by E. M. Hasbranck and A. M. Shields.

115. **RANDOM NOTES | ON | NATURAL HISTORY** | (eng. after drawing by A. I. Bodwell) | (A MONTHLY, 50 CENTS PER ANNUM.) | PUBLISHED BY SOUTHWICK & JENCKS, | (JAMES M. SOUTHWICK, SUCCESSOR,) | PROVIDENCE, R. I. Royal 8 vo.

A PAMPHLET DEVOTED TO THE DISTRIBUTION OF USEFUL KNOWLEDGE CONCERNING THE VARIOUS DEPARTMENTS OF ZOOLOGY, MINERALOGY AND BOTANY. 50 Cents a Year.

Vol. I, Nos. I-XII, Jan. 1-Dec., 1884, 120 pp. incl. 33 pp. adv., (not consecutively paged beyond the number).

Vol. 2 (II), Nos. 1-12, Jan.-Dec. 1, 1885, pp. ii+96 and (xlvii)-xlvii.

Vol. III, Nos. 1-12, Jan. 1-Dec. 1, 1886, pp. ii+100, incl. 2 pp. adv.

Discontinued. After the third number of the last volume, the name of James M. Southwick, alone appears. The first two numbers were out of print immediately, and a complete file is rather scarce. Some unsigned matter, including "The Roseate Spoonbill in Florida Rookeries," presumably by Fred T. Jencks, the junior pardner, run through the first four issues of the initial volume, and short papers or notes by J. N. Clark, Charles Dury, Wm. G. Smith, D. D. Stone and a few others, appeared.

116. **"Science News.** 16 pp. journal pub. by S. E. Cassino, Salem, Mass. Edited by Ernest Ingersoll and William C. Wyckoff of New York. $2.00 per annum. Bi-monthly."

Vol. Nos. 1-24, Nov. 1, 1878-(Oct., 15?), 1879, pp. 1-(384?).

"A fortnightly journal, which, it is greatly to be regretted, closed its existence with the twenty-fourth number." Papers by Chas. C. Abbott, Walter E. Bryant, Ernest Ingersol (a series of nine papers on "How to Collect Birds' Nests and Eggs"); M. C. Reed, Geo. H. Ragsdale, George B. Sennett (five short papers entitled "Later Notes on Texas Birds").

117. **SCIENCE RECORD** PUBLISHED BY S. E. CASSINO & CO., 41 ARCH ST., BOSTON, MASS. Med. 8vo.

A monthly journal of Notes and News in all departments of Science. J. S. KINGSLEY, Malden, Mass., Editor. ONE DOLLAR A YEAR. Formerly Scientific and Literary Gossip.

Vol. II. Nos. 1-12 (Nov. ?) 1883-(Oct. ?) 1884, pp. 1-280?), covers.

I have not seen the first and last of the 12 numbers published. Contributions by Elliott Coues, Geo. F. Gauner, Dr. G. E. Manegault, Leonard Stejneger and Arthur T. Wayne.

118. **THE Scientific Monthly.** A MAGAZINE DEVOTED TO The Natural Science. E. H. FITCH, Editor and Proprietor, TOLEDO, OHIO: BLADE PRINTING & PAPER COMPANY (TOLEDO COMMERCIAL COMPANY, PRINTERS. Med. 8vo.

Price $1.00 a Year, or 30 (35) Cents a Number.

Vol. I, Nos. 1-11, Oct., 1875-Aug., 1876, pp. 1-571, covers.

I have not examined all the numbers of this rare and valuable magazine, doubtless there are a number 12. C. J. Maynard, E. W. Nelson, R. Ridgway and T. S. Roberts contributing.

119. **The Semi-Annual.** PRICE 35 CENTS. C. C. MAXFIELD, PUBLISHER. DANBURY, CONN. Med. 8 vo.

A semi-annual review for students of Ornithology and Oology, issued April and October of each year. Edited by Lynds Jones, Elm St., Oberlin, Ohio. Price 35c per copy.

Vol. 3, No. 1, April, 1891, pp. 44+1 pl., covers.

Continuation of the "O. & O. Semi-Annual," and followed by the "Wilson Quarterly." Official organ of the Wilson Ornithological Chapter, and contains the report of the Oological Committee, by Lynds Jones; also some notes by Harry K. Jamison.

120. **THE SCIENTIST.** A MONTHLY MAGAZINE, BY THE FITCHBURG AGASSIZ ASSOCIATION. EDITED BY E. ADAMS HARTWELL, A. M., W. G. FARRAR ,PREST. STATE ASSEMBLY, (CONTENTS) FIFTY CENTS A YEAR, FIVE CENTS A COPY. W. L. EMORY, PUBLISHER, FITCHBURG, MASS. Superroyal 8vo.

Vol. I, Nos. 1-6, Apr.-Sept, 1888, pp. 1.48, covers. Complete. A rather scarce magazine. Contains one or two papers by I. C. Green.

121. **THE SPY GLASS.**. A MAGAZINE FOR COLLECTORS. "Let us be Collectors for the pure love of the science, and for the friendship it fosters and we feel that we have acted wisely in thus treating the matter." ROY F. GREEN, Editor, Arkansas City, Kansas. LETSON BALLIET, Associate, Des Moines, Iowa. GREEN & BALLIET, PUBLISHERS, ARKANSAS CITY, KANSAS. 8vo.

Subs. Six months 30c. One year 50c.

Vol. I, Nos. 1-2, Sept.-Oct., pp. 1-42 and covers.

Suspended. Official organ of the Galveston Philatelic Association. Circulation of second number said to have been 5000. Balliet retired after the initial issue. B. S. Bowdish, N. R. Cristy, W. S. Cruzen, J. H. Frier and J. W. P. Smithwick contributing.

122. **Stories from Nature.** Published Monthly. Devoted to the Natural Sciences. For Young and Old Alike. DeLand, Fla.

50 Cents a Year. Single copies 5 cents. Demi folio.

Vol. I, Nos. 1-8, (June?) 1897-Jan., 1898, 64? pp., unpp.

Unimportant, incomplete file contains some notes by H. R. Steiger.

123. **Stormy Petrel.** A paper devoted to Oology, and Ornithology. MENDOTA, ILL. Demy 8 vo.

(M.) Smith & CO., Publishers and Editors. Published monthly at 20c. per year. Filling the unexpired subscriptions of "The Exchange."

Vol. I, Nos. 1-5, Apr.-Aug., 1890, (no. 2 erroneously dated "April,") 32 pp. (pagination began with each number), last three issues with covers.

Probably complete, as I can learn of no further issues. Evidently printed on same press and type as its predecessor. Notes by B. S. Bowdish, F. T. Corless, T. G. Gentry, E. B. Peck, W. C. Robinson and J. W. P. Smithwick.

124. **THE SUNNY SOUTH OOLOGIST.** GAINESVILLE, TEXAS. Lg. 12mo.

A Monthly devoted to the interest of Ornithologists and Oologists. 50 cents a year. Edited and Published by Edwin C. Davis.

Vol. I, Nos. 1-3, Mar.-May, 1886, pp. 1-40, incl. 3 pp. adv., covers.

Suspended for want of patronage and all subscriptions returned. A neat little magazine containing notes by E. C. Davis, F. M. Dille, F. D., and J. H. Foxhall, W. L. Kells, G. Noble, H. G. Parker, G. H. Ragsdale, A. M. Shields, Geo. H. Selover, J. A. Singley and Geo. Wilder.

125. **THE SWISS CROSS** | A MONTHLY MAGAZINE | OF THE (OF) | AGASSIZ ASSOCIATION (POPULAR SCIENCE) | VOLUME I (-V) | JANUARY-JUNE (JULY-DECEMBER) | 1887 (-1889) | NEW YORK | N. D. C. HODGES | 1887 (-1889). Royal 8 vo. Harlan H. Ballard, President of the Agassiz Association, Editor. Subs. $1.50 a year.

Vol. I, Nos. 1-6, Jan.-June, 1887, pp. (iii)+248.

Vol. II, Nos. 1-6, July-Dec., 1887, pp. (iii)+192+(iv).

Vol. III, Nos. 1-6, Jan.-June, 1888, pp. 192.

Vol. IV, Nos. 1-6, July-Dec., 1888, pp. 192+(ii).

Vol. V, Nos. 1-6Jan.-June, 1889, pp. 1-184.

Suspended. Of no great value to the ornithologist. Contributions by C. C. Abbot, Catherine Amory, W. Whitman Bailey, Wm. L. Bates, Wm. D. Butler, W. W. Clute, Thomas H. Fay, Lynds Jones, M. L. Leach, Prof. E. H. J. Marcy ("The Mechanism of the Flight of Birds"), Ellis P. Oberholtzer, Spencer Trotter, M. W. Thomas, G. F. Walters (translation from "La Nature"); J. L. Zabriskie and a few others.

126. **TIDINGS FROM NATURE** | PUBLISHED FOR THE | ADVANCEMENT OF' SCIENCE | AND THE | STUDENT AND OBSERVER OF NATURAL HISTORY |—| VOLUME I (-II). |—| RUTLAND, VERMONT | NATURALISTS' PUBLISHING HOUSE, PUBLISHERS. | 1884-85. (1885-86). Med. 8vo.

H. M. DOWNS, EDITOR (and Pub-

lisher of first three numbers). Subs. 25c per year (50c with vol. ii).

Vol. I, Nos. 1+1-12 (9-10, double) Aug., 1884-Aug., 1885, pp. v+12+148, (both Aug. and Sept. numbers are marked "no. 1," and the sequence uncorrected later.

Vol. II, Nos. 1-7, Sept., 1885-Apr., 1886, pp. 1-110.

Transferred to "Hoosier Naturalist." J. R. Boardman, E. L. Brown, H. L. Clark, Montague Chamberlain, W. E. Fowler and D. H. Talbot contributing.

127. **THE TAXIDERMIST** (CONTENTS). Med. 8vo.

A monthly magazine devoted primarily to the interests of Taxidermy, but interesting to every student of nature. E. F. MARTIN, EDITOR, MEDINA, O. (with no. 4, C. F. Mingnin, Business manager; Published at Akron, Ohio, and subs. 50c.). Subs. 35c.

Vol. I, Nos. 1-12, July, 1891-June, 1892, pp. 1-160, incl. 7 pp. adv. (no. 4 erroneously marked "September" though correctly dated on cover).

Articles by Davis, Heller, Langille, Peabody and others, mainly on taxidermy and embalming. Nos. 4-12 contain the reports of the Wilson Ornithological Chapter of the Agassiz Association, by Lynds Jones.

128. **THE TAXIDERMIST.** DEVOTED TO What You Want—How to Use It—Where to Get It. Published by the Frank Blake Webster Co. Hyde Park, Mass., U. S. A. Med. 8 vo.

Nos. 1-7, Apr., June, 1907, May, Oct., 1908, Oct., 1910, Mar., 1913, May, 1914. pp. 16+32+16+16+32+24+12.

Circulation 3000 to 5000, without charge to customers. Mainly advertising a naturalists' supply house, though well worth preserving for the occasional items. Complete sets may be had at $1.00, until 75 sets are disposed of

129. **THE VALLEY NATURALIST.** Established January, 1878. (Naturæ Discere Mores) Henry Skaer, Publisher, Saint Louis, Mo., Subscription for the year 50 cents. Folio.

Vol. I, Nos. 1-12, Jan.-Dec., 1878, pp. 1-(68?).

Volume two, 1879, an 8-page, and volume three, 1880, a 16-page monthly I have not had an opportunity to examine. The first contains C.P.Blachey's "Birds of Kansas," F. C. Green's "Birds of Milwaukee County, Wis." W. H. Hughes' "Birds of Michigan," and Wm. L. Jones' "Birds of St. Clair County, Ill."

130. **The WARBLER** (eng. figg. birds, eggs, nest, and butterflies) 1903 (-1904) (CONTENTS) ISSUED BY THE MAYFLOWER PUBLISHING CO. FLORAL PARK, N. Y. Royal 8vo.

JOHN LEWIS CHILDS, President. REV. H. C. MUNSON, Editor. (Rumford Center, Maine.) Subscription Price, 30 Cents for 3 Years. Foreign subscribers must send one shilling extra for postage. (First or Popular Series.)

Vol. I, Nos. 1-6, Jan., Feb.-Nov. Dec., 1913, pp. 1-96, incl. 17 pp. adv.

Vol. II, Nos. 1-6, Jan., Feb.-Nov., Dec., 1904, pp. 1-96, incl. 32 pp. adv.

131. **The Warbler** SECOND SERIES VOL. I (-11). 1905 (-1906) No. 1(-4) (CONTENTS). Superroyal 8 vo.

A MAGAZINE OF NORTH AMERICAN ORNITHOLOGY Published Quarterly at Floral Park, N. Y. Price $1.00 Per Year. 30 Cents Per Copy. JOHN LEWIS CHILDS, EDITOR.

Vol. I, Nos 1-4, First-Fourth Quarter (Oct. 31, 1905), pp. 1-128 incl. Index, col. pll (I-VIII).

Vol. II, Nos. 1-4, First (Feb. 20)—Fourth Quarter (Dec. 20, 1906), pp. 1-106, col. pll. I-IV.

Suspended. It does not appear who was the editor of the second volume of the popular series, which contains mostly unsigned notes and articles; the names of J. L. Childs, L. W. Brownell and H. Nehrling most frequently appear, and the illustrations are mostly from photos of mounted specimens in the Childs' collection. The second or scientific series is almost wholly devoted to original accounts of the nesting of extremely rare species with illustrations reproduced from photographs. It is surprising that no title page was provided for this elegant periodical.

131a. **The WARBLER** (eng. Perm. title) BULLETIN OF THE CHILDS MUSEUM OF NORTH AM. ORNITHOLOGY Published (date), at Floral Park, N. Y. Price $1.00 JOHN LEWIS CHILDS, EDITOR. PUBLISHED ANNUALLY BY JOHN LEWIS CHILDS.

Vol. III, Dec. 1, 1907, pp. 56+1 col. pl.

Vol. IV, Oct. 1, 1908, pp. 48.

Vol. V, Dec. 31, 1909, pp. 31.

Vol. VI, Oct. 31, 1910, pp. 44.

Vol. VII, Nov. 1, 1913, pp. 34+3 (2 col.) pll.

Contains catalogues of the Childs scientific library and collection of birds, nests and eggs; some of the Miller Hageman bird poems, and papers principally on nidification by well known writers. There are numerous half tones. The plate of the eggs of the Santa Catalina Partridge in vol. iii, hand colored by Zoltan de Takach Gyongyoshalaszy, and those of the Knot in Vol. vii by Leavitt W. Brownall; after being photographed natural size. The Publisher informs me that the editions (limited to 100 in the last) of these two volumes are about exhausted.

132. **WEEKLY OOLOGIST & PHILATELIST** Published Every Saturday. 35 cts. per Year. Lebanon, Oregon. Demy. 8vo.

F. T. CORLESS, EDITOR AND PUBLISHER.

Vol. I, Nos. 1-2, Dec. 12-19, 1891, 8 pp. unpp.

Notes by Kit Atkinson and F. T. C(orless). Short lived, poorly printed.

133. **THE | West American Scientist** | Official Organ of the San Diego Society of Natural History. | INDEX | To Volumes I, II, III and IV | 1884-88. |—| C. R ORCUTT, Publisher. | SAN DIEGO, CALIFORNIA. Size various 8 vo.

A popular review and record for the Pacific Coast. Subscription 50c per annum in advance (vol. i, nos. 1-6). $1.00 per year (except vol. vii, which was $2.00).

Vol. I, Nos. 1-11, (Dec?) 1884-Nov., 1885, pp. (vii)+84, incl. 3 pp. adv.

Vol. II, Nos. (12)-19, Jan.-Oct., 1888, pp. 1-96, incl. 13 pp. adv.

Vol. III, Nos. 20-32, Dec., 1886-Dec., 1887, pp. 1-250 (p. 150 in duplicate.)

Vol. IV (4), Nos. 33-38, Jan.-June, 1888, pp. 74, 2 pll.

Vol. V, Nos. 39-41, Sept.-Nov., 1888, pp. 24.

Vol. VI, Nos. 42-49, Apr.-Nov., 1889, pp. 163.

Vol. VII, Nos. 50-63, June, 1890-Oct., 1891. pp. 276+55 ("LITERARY AND EDUCATIONAL SUPPLEMENT, Nos. 1, 2 and 3.")

Vol. VIII, Nos. 64-78, Mar., 1892-Jan., 1895, pp. 120+4 (the last unpp. colored cover which constituted last issue.)

Vol. IX, Nos. 79-80, pp. 8, incl. 5 pp. adv.

Vol. X, Nos. 81, 82, 85, 86, 88, 93-100, Nov. 1896, Nov., 1897, Jan., Feb., May, Sept., Nov., Dec., 1900, Jan.-Apr., 1901, pp. 172 (pp. 41-172 "Botany of Southern California," beginning in second half of no. 93, Sept., 1900, and continuing through entire volume.)

Vol. XI, Nos. 83, 84, 87(3), 89(4), 90(5), 91(6), 92(7), 101(8), Jan, 1899., Janu., Apr.-Aug., 1900, May, 1901, pp. 80.

Vol. XII, Nos. 102-115-(1-12), June, 1901-July, 1902, 182 columns (91 pp., about half adv.)

Vol. XIII, Nos. 116-119(1-4), Aug.-Nov., 1902, 68 columns.

Vol. XIV, Nos. 120-126(1-7), Dec., 1902-July, 1903, 54 columns.

Vol. XV, Nos. 127-130(1-4), Aug., Sept., 1903,(Jan., June, 1906, 61 columns.

Vol. XVI, Nos. 131-132, Dec., 1908, Jan., 1908, 14 columns.

Vol. XVII, Nos. 133, Aug., 1908, pp. 16.

Vol. XVIII, Nos. 134-139, Aug., Sept., 1911, May, 1912, Dec., 1913, Jan., Feb., 1914, 92 columns.

The original title was: The West-American Scientist, but the hyphen was discarded after the fifth, and a cover assumed by the seventh number. With the exception of volume six, 1889, which was published by Samuel Carson & Co., San Francisco, C. R. Orcutt was both editor and publisher. No title page and index appears with the succeeding volumes. In completing a file, one discovers a number of typographical errors in dating and enumeration, not all numbers have covers, and the stock is apt to be inferior. Enumeration of volumes ten and eleven may appear intricate; of the former, from the last half of number 93, to 100, there is nothing to distinguish the number or date of publication unless the separate sheets happen to be placed in covers; sometimes, lacking the first 41 pages of the full volume, it may be found inclosed in a cover entitled: "Botany of Southern California," a reference work by Charles Russell Orcutt. Numbers 84, 87 and 89 of volume XI are entitled: West American Scientist.

This irregularly appearing little journal has outlived the great majority, and is a monument to the industry and perseverance of Proprietor C. R. Orcutt, the editor and chief con-

tributor along botanical lines. I am uninformed in respect to the circulation, but there are a number of life subscribers, and it will doubtless be continued by the publishers. Many of the early issues are exceedingly scarce. The ornithological notes appeared in the early valumes, and are by L. Belding, F. E. Blaisdell, F. L. Burns, Chette L. Cheney, S. H. Henry, Theo. D. Hurd, J. Warren Jacobs, Louis R. Lighton, R. E. Ranchford & Son, H. R. Sharples, Frank Stephens, G. D. Story and H. R. Taylor.

134. **THE WESTERN NATURALIST.** MADISON, WIS. POST 8vo.

ISSUED BY THE WESTERN GOOD TEMPLAR. FRANK A. CARR, Editor. The Western Naturalist is published monthly, and is designed to stimulate the young people of the northwest to an earnest study of the various branches of natural history. Subs. 25c. a year in advance.

Vol. I, Nos. 1-10, Mar..-Dec., 1887, pp. 1-112, and covers last four issues.

Vol. II, Nos. 1-5, Jan.-May, 1888, pp. 1-60, incl. 3 pp. covers announcing transfer to Prof. E. R. Orcutt's "West American Scientist."

Subscription raised to 50 cents, July 1887, at the same time covers were assumed. Items by Dr. J. H. Burdick and F. A. Carr, ("The Flamingoes" translated from the French of Henry Leturque in New Orleans "Picayune"). "J. Bird" associate editor of the dept. ornithology.

135. **THE WESTERN OOLOGIST.** Royal 8vo.

Devoted to the Study of Birds, Their Nests and Eggs. Published Monthly by F. M. Sherin, Milwaukee, Wis. Single Subscription 50 cents per annum, Single copies 5 cents each.

Vol. I, Nos. 1-3, May-July, 1885, pp. (8?)+20, evidently with covers originally.

Quite rare, the first issue not examined. It appears that a paper of the same name suspended seven years previous. Notes by H. A. Berry, W. N. Clute, Elizabeth Cole, Fred C. Green, W. B. Hull, Chas. A. Keeler, Chas. F. Hellewill and Violet S. Williams.

136. **THE Western Ornithologist,** FORMERLY THE IOWA ORNITHOLOGIST. (various half tone eng.) Published by C. C. TRYON, AVOCA, Ia. Superroyal 8 vo.

Bi-monthly. 50 cts. per Year. Chas. C. Tryon, Editor and Publisher. Carl Fritz Henning, David L. Savage, Associate Editors.

Vol. I, Nos. I-III, Jan. Feb.-May, June, 1900, pp. 66+- pl. (p. 45 in duplicate.)

A superior publication, suspending after the third number. Circulation "several thousand." J. N. Clark, C. F. Henning, Morton E. Peck, David L. Savage, William Savage and B. H. Wilson contributing.

137. **Western Reserve Naturalist.** GENEVA, Ohio. 8vo.

A MONTHLY MAGAZINE DEVOTED TO OOLOGY, ORNITHOLOGY, AND BOTANY. F. C. HUBBARD, Editor and Publisher. Single Subscription 10 cts. per annum. Sample Copies Free

Vol. I, Nos. 1-3, (June-)-Aug., 1893, pp. (24?), unpp. beyond the separate numbers.

I have seen only the third issue of this unimportant little sheet, which contains a paper by Prof. J. Hobert Egbert.

138. **The Wilson Quarterly.** A Journal of Ornithology. Continuation of the Semi-Annual. (eng.) OFFICIAL ORGAN OF THE WILSON ORNITHOLOGICAL CHAPTER OF THE AGASSIZ ASSOCIATION. Med. 8 vo. Published by Reuben M. Strong, Oberlin, Ohio; under the editorial management of Lynds Jones, assisted by Willard N. Clute. Terms: $1.00 a year in advance. Single numbers $ .25. Free to all members of the Wilson Chapter not in arrears for dues.

Vol. IV (4), Nos. 1-2, Apr., July, 1892, pp. 1-92 incl. 4 pp. adv, covers.

A well printed little journal, containing articles by H. H. Brimley, W. N. Clute, W. L. Dawson, Willard Eliot, I. C. Green, Lynds Jones, F. T. Pember and others.

139- **THE | WISCONSIN NATURALIST.** | A Monthly Magazine of Natural History. | VOL. I. AUG. '90 TO JULY '91. | MADISON, WISCONSIN: | CHAS. F. CARR, PUB. Med. 8 vo. 50 Cents per annum; Foreign Subscribers 65 Cents, Invariably in Advance.

Vol. I, Nos. 1-12, Aug., 1890-July, 1891, pp. (iv)+188, covers

Unexpired subscriptions filled by the "Ornithologist and Botanist." The most important feature of this neat

periodical, is "A List of the Birds Known to Nest Within the Boundaries of Wisconsin, With a Few Notes Thereon," by C. F. Carr, and after the fifth instalment, by Prof. Ludwig Kumlien.

140. **THE WISCONSIN NATURALIST.** A MONTHLY MAGAZINE DEVOTED TO ORNITHOLOGY, OOLOGY. ZOOLOGY, MINERALOLOGY, MOLLUSCA, ECHINODERMATA, AND ALLIED SCIENCES. The Naturalist Publishing Company, 254 GROVE STREET, MILWAUKEE, WISCONSIN, U. S. A. Price 25 Cents a year. Single Copies 5 Cents. ZOLA B. ROHR and FRANK WOERDEHOFF, Editors. Med. 8 vo.

Vol. 1, Nos. 1-6, (July-)-Dec., 1897, pp. 92 and covers.

Vol. 2, Nos. 7-XI, Jan.-May, 1898, pp. 48 and covers.

(Vols. 3 and 4, July, 1898-June, 1899.)

Vol. 5, No. 27, Oct., 1899, pp. 11-24, cover.

Vol. 6, No. 1, Jan., 1900, pp. 1-16 and cover.

An advertising sheet containing little of anything original. Just when it suspended I am unable to ascertain. The second number contains "Birds of the Rockies," by Olive Thorn Miller.

141. **THE YOUNG COLLECTOR.** A Monthly Journal Devoted to the Interests of Collectors of Specimens of Natural History, etc. Charles & James Keys, Publishers, 926 Ninth Street, Des Moines, Iowa. 50 cents per annum in advance. Med. 8 vo.

Vol. II, Nos. 1-3, May-July, 1882, pp. 1-28, cover.

I have not seen the first volume. The ornithological notes unsigned and mainly from exchanges.

142. **WOLVERINE NATURALIST.** KALAMAZOO, MICH. 8 vo.

MORRIS GIBBS, M. D. EDITOR. A MONTHLY MAGAZINE devoted to the study of Ornithology, Oology, Entomology, Herpetology, Conchology, Ethnology, Geology, Palaeontology and Allied Sciences. One Year 50 Cents. Single Copies 5 Cents.

Vol. I, Nos. 1-4, Jan.-Apr., 1890, pp. 12+20+8+8, incl. 20 pp. adv., covers. (last two numbers unpp.)

Incorporated with "American Game and Fish Warden" of Kalamazoo, in September or October. Very little of interest to the ornithologist.

143. **THE YOUNG NATURALIST.** A Monthly Magazine devoted to Natural History, and the Interests of Collectors. GALESBURG, ILL. Large 12 mo..

The Young Naturalist Publishing Co., CHARLES F. GETTEMY, Editor-in-Chief. E. D. Whiting, F. Anderson, E. C. Elder, Associates. Subs. 50 cents per annum. Single copies, 5 cents.

Vol. 1, Nos. 1-5, (May?)-Sept., 1884, pp. 1-60 incl. adv.

"Subscription merged into 'The American' of which I believe I issued 6 numbers, suspending publication in the spring of 1885."—**Chas. F. Gettemy.** I have not seen the earlier numbers. H. A. Talbot contributed to the September issue.

144. **THE YOUNG OOLOGIST,** | FOR THE | STUDENT OF BIRDS, | THEIR NESTS AND EGGS. |—| VOLUME I, |—| GAINES, N. Y. | FRANK H. LATTIN, Publisher, | 1884-1885. Med. 8vo.

Vol. I, Nos. 1-12, May, 1884-Apr., 1885, pp. (vii)+171, incl. 28 pp. adv.

THE YOUNG OOLOGIST |—| VOLUME II. |—| ALBION, N. Y.: | FRANK H. LATTIN, PUBLISHER, | 1885. Med. 8vo.

Subscription $1.00 per annum.

Vol. II, Nos. 1-2, May, June, 1885, pp. (ii)+48.

Suspended, sold to the "Agassiz Journal." The initial number printed on coarse paper, and with no. 7 the subscription raised to 60 cents. The circulation increased from about a thousand in October, to 5000 in February. Many contributers signed with initials only: G. F. Breninger, Montague Chamberlain, E. H. Fiske, W. L. Kells, M. McCullum, Harry G. Parker, T. D. Perry, C. L. Phillips, J. W. Preston, W. D. Shaw, A. M. Shields, J. A. Singley, C. M. Weed, H. R. Taylor, C. B. Wilson, W. W. Worthington.

145. **THE Young Ornithologist.** BOSTON, MASS. Med. 8vo.

Edited and published monthly by Arthur A. Child. Subs. 25 cents per year. Single copies 4 cents each.

Vol. I, Nos. 1-12, May, 1885-Apr., 1886, 96 pp. incl. 19 pp. adv., not pp beyond number, no. 1 unpp.

Suspended. The "Young Ornithologists' Association" originated with this little paper. Among the contributors are G. F. Breninger, J. C. Cahoon, D. H. Eaton, Chas. A. Keeler, W. L. Kells,

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Vol. III, Nos. 1-12, Jan.-Dec., 1880, pp. 148.

Vol. IV, No. 1, Jan., 1881, pp. 16.

This journal ran to volume VII (number 1, January, 1884, with Fred T. Hodgson and John Phin, Editors; and number 2 appeared exactly four years later—January, 1888, with the latter only, editing. My file lacks volumes IV-VI. Tht only bird matter is by A. W. Roberts.

147. **ZOE,** A BIOLOGICAL JOURNAL. PUBLISHED ON THE LAST DAYS OF EACH MONTH. Vol. I, March (-February), 1890. No. 1 (-12). CONTENTS) SAN FRANCISCO; ZOE PUBLISHING COMPANY, P. O. BOX 2114, Yearly Subscription, $2.00, Single Copy, 20 cts. Royal 8vo.

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Vol. I, Nos. 1-12, Mar., 1890-Feb., 1891, pp. vi-389, pll. i-xii.

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Vol. III, Nos. 1-4, Apr., 1892-Jan., 1893, pp. vi+383, pll. xviii-xxiv.

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On the title page of volume iii, Alice Eastwood's name alone appears as editor; but the editors according to an announcement on the inside cover, are T. S. Brandegee, Walter E. Bryant, Douglas H. Campbell, Alice Eastwood, Charles A. Keeler, Frank H. Vaslet, whose names appear on the permanent title page of volume iv, of which T. S. Brandegee is the proprietor. It does not appear who edited the final incomplete volume, the last number of which appears to have come from the University Press, University of California, Berkley, California.

This title is exceedingly important to students of California birds. The principal ornithological writers are A. W. Anthony, Walter E. Bryant, L. Belding, W. Otto Emerson and Chas. A. Keeler, with an occasional paper by Herbert Brown, J. G. Cooper, Sam Hubbard, Jr., F. O. Johnson, H. R. Taylor and others.

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